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ABSTRACT

A study was conducted to compare the academic progress of two-year college transfers, four-year college transfers, and continuing sophomores and juniors (natives) at the University of Illinois at Chicago as measured by mean grade point average (GPA), academic status, and continued enrollment through 2 years after transfer. Student data for each term from fall 1983 through summer 1985 were used to compare the three student groups in 10 subject matter areas. Study findings included the following: (1) 45% of the community college transfers and 41% of the four-year transfers graduated or continued on clear or probationary status; (2) natives had a 79% retention rate; (3) 8% of the community college group and 11% of the four-year group graduated, while 39% of the natives graduated; (4) both two-year and four-year transfers experienced a first term drop in mean GPA--.49 for the community college group and .11 for the four-year group; and (5) by the end of the second year following transfer, 23% of the community college transfers and 21% of the four-year college transfers had been dropped or had left while on probation. Several figures and data tables illustrate the text. A bibliography and six supplementary tables are appended. (LAL)

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COMPARISON
OF
TRANSFER AND NATIVE STUDENT PROGRESS
UNIVERSITY OF ILLINOIS AT CHICAGO
FALL, 1983 GROUP

by

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University Office of School and College Relations

Research Memorandum 86-9

August, 1986

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RESEARCH SUMMARY

University Office of School and College Relations

Two-Year Comparison of Transfer and Native Student Progress[1]
University of Illinois at Chicago
Fall, 1983 Group

Purpose

The purpose of this study is to compare the academic progress of two-year college transfers, four-year college transfers, and continuing sophomores and juniors (natives) at the University of Illinois at Chicago as measured by mean grade point average (GPA), academic status, and continued enrollment through two years after transfer. A secondary purpose is to compare performance after transfer with performance before transfer on the basis of mean GPA. These three groups are also compared in ten subject matter areas on the basis of mean grade point average during the 1983-84 and 1984-85 academic years.

Summary of Results

1. Forty-five percent of the community college transfers and 41 percent of the four-year college transfers had graduated or continued on clear or probationary status two years after transfer. The retention ratio is 79 percent for the native sophomores and juniors. Eight percent of the community college group and 11 percent of the four-year group had graduated two years after transfer. Two-year graduation rates for transfers have declined by one-half since 1973. Two out of five (39%) of the native sophomores and juniors had graduated.

2. Two-year transfers and four-year transfers entered with mean pre-transfer GPA's of 3.89 and 3.67, respectively. Continuing native students had compiled a UIC mean GPA of 3.64. Both two-year and four-year transfer students experienced a first term drop in mean GPA. The community college group experienced the greater "transfer shock," with a .49 drop in GPA, accompanied by a decrease of .11 for the four-year group. The community college group did not recover their pre-transfer GPA during the two years included in this study. The four-year college transfers and the native group achieved GPA's above their group's pre-transfer GPA (or lower division GPA) two terms.

3. By the end of the second year following transfer, 23 percent of the community college transfers and 21 percent of the four-year college transfers had been dropped or left while on probation.

Policy Considerations

Consideration should be given to the problem of the low graduation rates experienced by community college and four-year college transfers. Also, both transfer groups continued to experience retention rates substantially lower than continuing sophomores and juniors at UIC. While the selection process for transfer students at UIC should continue to provide opportunity for access to bachelor's degree programs, additional attention should be focused on improving the "success rate" for these transfers.

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[1]This summary, prepared by Ernest F. Anderson, presents the findings of Research Memorandum 86-9, which is available through the University Office of School and College Relations, 409 E. Chalmers-Room 311, Champaign, IL 61820 (217-333-2032).

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I. INTRODUCTION

The number of new transfers (including inter-campus and readmits) enrolled at the University of Illinois at Chicago (University Center)* decreased 27 percent from 2,549 (45% of the new undergraduate students) in the 1973 fall term to 1,870 (43% of the new undergraduate students) in the 1983 fall term,[1,2] and the proportion of new undergraduate students decreased from 45 to 43 percent during the same period. In 1983, approximately 37 percent of the total fall term undergraduate enrollment had transferred to UIC,[3] and approximately 55 percent of the transfer student enrollment had last attended a community or junior college. In that same term, UIC received 284 new transfers from the seven City Colleges of Chicago; these transfers represented 35 percent of all new community college transfers to UIC that term.[4]

These data document the relative importance of transfer students to the total student enrollment and intellectual life at UIC when compared with beginning freshmen. During the ten-year period from fall, 1973 through fall, 1983, approximately 41 percent of the new undergraduates at UIC entered as transfer students, while 59 percent entered as beginning freshmen. This

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[1] University of Illinois, Enrollment Tables, First Semester or Fall Quarter, 1973-74. Champaign: University Office of School and College Relations, University of Illinois, April, 1974, p. 16.

[2] University of Illinois, Enrollment Tables, First Semester or Fall Quarter, 1983-84. Champaign: University Office of School and College Relations, University of Illinois, May, 1985, p. 20.

[3] Ernest F. Anderson, "Transfer Student Enrollment at Chicago Circle, Fall, 1983." Champaign: University Office of School and College Relations, University of Illinois, Memorandum dated Nov. 3, 1983.

[4] Ibid., Tables 1 and 2.

*Note: Changed from University of Illinois at Chicago Circle (UICC) to University of Illinois at Chicago (UIC) as of August, 1982. The data presented in this research memorandum pertain to students at the University Center only.

proportion changed for the fall, 1984 enrollment[5] when 48 percent of the new students entered as transfers at UIC. Therefore, the number and academic achievements of transfer students continue to contribute in a substantial way to the number and quality of graduates from UIC.

Purpose

The purpose of this study is to describe and analyze the academic progress of community college transfers, senior college transfers, and continuing sophomores and juniors (natives) at the University of Illinois at Chicago, as measured by mean grade point average (GPA), academic status, and continuing enrollment and graduation (collectively termed "retention") through eight terms, or two academic years, after transfer. A secondary purpose is to compare the academic achievement of each transfer group after transfer with that group's performance before transfer on the basis of mean grade point average.

The three groups are compared in ten subject matter areas on the basis of mean grade point average during the eight terms surveyed by this study. Differences in academic achievement and graduation rates of transfers from individual community colleges with five or more new or readmitted transfer students during the 1983 fall term are also reported and analyzed. The study analyzes the relationship between the mean change in grade point average from pre-transfer GPA to UIC GPA for each community college and the retention rates for the transfers from that institution to test whether or not there is a significant difference in the effectiveness of transfer grade point average as a predictor of retention and achievement among various community colleges.

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[5]University of Illinois, Enrollment Tables, First Semester or Fall Quarter, 1984-85. Champaign: University Office of School and College Relations, University of Illinois, October, 1985, p. 20.

Method

This study provides a description and analysis of data for two groups of transfer students and a comparison group of UIC students who have earned all of their college credit at UIC. Community college transfers in the study include all the new and readmitted students at UIC for the 1983 fall term who have completed eighteen or more quarter hours prior to transfer and whose institution of last attendance was a community or junior college. This group is comprised predominately of students who have transferred from public community and junior colleges in Illinois. The population of 1,141 community college transfers entered UIC with a mean pre-transfer grade point average of 3.89 (A=5.00).

Transfers from four-year colleges and universities include all new and readmitted students to UIC for the 1983 fall term who had completed eighteen or more quarter hours before transfer and whose institution of last attendance awards a baccalaureate degree. This population of 1,028 students entered with a mean pre-transfer grade point average of 3.67 (A=5.00).

The native students (comparison group) include 1,310 fall, 1983 continuing sophomores and juniors who entered UIC as beginning freshmen and who had successfully completed at least 45 and fewer than 135 quarter hours at UIC and had not received 12 or more quarter hours of transfer credit from another institution. Continuing sophomores and juniors were selected for the control group because a majority of the transfers to UIC had completed transfer credit which placed them at one of these two class levels. The University of Illinois mean GPA earned by these students before selection into this group was 3.64 (A=5.00). Even though this group was utilized as a basic control, it should not be assumed that the three populations are matched with respect to the

academic variables known to make a significant contribution to college performance; i.e., ACT score and high school percentile rank in class. It was estimated that the native group had completed an average of 90 quarter hours, making it likely that this group will have higher graduation and retention rates after eight more terms than the transfer group.

Data for this study are based on the final Student Record Master tapes for fall, winter, spring, and summer terms for the 1983 fall term through the 1985 summer term as reported in the Community College Transfer Student Summary of Progress Report for the Office of Admissions and Records. The confidential Community College Transfer Student Summary of Progress Reports list the following data for individual community college and four-year transfer students: name, UIC college, curriculum, class, pre-transfer GPA, mean and median UIC term GPA in the subject for all courses combined, and student status (number graduated, number on clear, number on probation, number dropped, and number who withdrew). These same data are presented in summary form for each of eight terms for all community college transfers, all four-year transfers, and all continuing sophomores and juniors (natives).

Each community college transfer and each four-year college transfer were tracked from term to term as a basis for verifying the academic status of each student at the end of the 1984-85 academic year. Students on clear or probationary status at the end of a term who failed to re-enroll were reported as "left on clear" or "left on probation" in the final summary so that each individual was accounted for in the two transfer groups. Continuous term-to-term academic status data were not available in printed form for individual native students; therefore, some error (less than one percent) in the net count of native students listed as "dropped" or "withdrew" is possible,

as some students could have been readmitted and counted in another status category or continued as undergraduates after graduation.

Three academic status categories are utilized in the calculation of a retention ratio for each group. The retention ratio represents the proportion of each original 1983 fall group which has graduated or is still enrolled at the conclusion of each term. This ratio is the total number of students in a given group who have graduated or who are eligible to continue on clear or probationary status divided by the total transfers comprising the fall, 1983 group.

The study analyzes the relationship of differences betweeen pre-transfer and post-transfer GPA (change in mean institutional GPA) and the retention ratio of students from that institution two years after transfer. The Pearson product-moment correlation coefficient was utilized to test whether or not the observed correlation was significantly different from zero. Community colleges with fewer than five transfer students were grouped in this analysis. No individual institutional analyses are performed with four-year college transfers because these transfers are not identified by institution of last attendance in this study.

Limitations

The study describes, analyzes, and compares the academic progress and success of two groups of transfer students and a selected group of continuing native students similar in class level to the transfer groups. These three groups are not assumed to be "matched" in statistical terms. There is a difference of .22 in pre-transfer GPA for the transfer groups, while the mean GPA for the UIC native students (the control group) is lower than the pre-transfer GPA's for the two transfer groups. Even though comparisons are

made among transfers from various institutions and types of institutions of previous attendance, this study is not intended to serve as a basis for inferences about the independent effect(s) of a specific institution or type of institution. The students who transferred from the various community colleges and four-year colleges are not matched on such significant variables as American College Test (ACT) composite score or high school percentile rank (HSPR). Native student data are reported as group data only. This study does, however, provide insight into individual and group performance by various sub-populations of students at UIC.

Related Studies

Studies conducted by the University Office of School and College Relations have traced the academic progress of community college transfers, senior college transfers, and continuing sophomores and juniors (natives) at the University of Illinois at Chicago for a number of years. These studies suggest that both transfer groups consistently experience some "transfer shock" followed by partial recovery, and the retention and graduation rates for the transfer groups remain below those of the natives.

While both transfer groups experience "transfer shock," community college transfers are more dramatically affected than those transferring from four-year institutions. As early as the 1966 junior college transfer report, a .60 drop in first term GPA was reported.[6] The 1973 community college transfer group

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[6] Ernest F. Anderson, "Success of Junior College Transfers at the University of Illinois at Chicago Circle, Fall, 1966." Champaign: University Office of School and College Relations, University of Illinois, Research Memorandum 71-6, July, 1971, p. 14.

experienced a decrease of only .47.[7] Since that 1973 report the degree of "transfer shock" has ranged from .59 for the fall, 1979 group[8] to .35 for the fall, 1981 community college group,[9] and returned to a .47 for the fall, 1982 group.[10] Transfers from four-year institutions, however, ranged from a drop of .14 (for the fall, 1981 group)[11] to an increase of .06 (for the fall, 1973 group),[12] while the natives changed from a decrease of .16 for the 1982 group[13] to -.01 for the 1973 native group.[14]

Community college transfers generally enter with a GPA higher than either the four-year transfers or the natives and never fully recover to the level attained before transfer. For example, the fall, 1982 community college transfer group entered the University of Illinois at Chicago with a GPA of 3.84 as compared to a 3.68 for four-year transfers and 3.64 for natives.[15] At the end of the first term, the drop in GPA was .47 for community college transfers,

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[7] Ernest F. Anderson and Stanley E. Henderson, "Four-Year Comparison of Transfer and Native Student Progress at the University of Illinois at Chicago Circle, Fall, 1973 Group." Champaign: University Office of School and College Relations, University of Illinois, Research Memorandum 79-1, March, 1979, p. 12.

[8] Ernest F. Anderson, Linda M. Heiser, and Beth Graue, "A Comparison of Transfer and Native Student Progress at the University of Illinois at Chicago, University Center, Fall, 1979 Group." Champaign: University Office of School and College Relations, University of Illinois, Research Memorandum 83-1, February, 1983, p. 12.

[9] Ernest F. Anderson and Trudy A. Campbell, "Two-Year Comparison of Transfer and Native Student Progress at the University of Illinois at Chicago, Fall, 1981 Group." Champaign: University Office of School and College Relations, University of Illinois, Research Memorandum 85-1, July, 1985, p. 13.

[10] Ernest F. Anderson, Trudy A. Campbell, and Linda K. McGee, "Two-Year Comparison of Transfer and Native Student Progress at the University of Illinois at Chicago, Fall, 1982 Group." Champaign: University Office of School and College Relations, University of Illinois, Research Memorandum 86-4, April, 1986, p. 13.

[11] Anderson and Campbell, Research Memorandum 85-1, July, 1985, p. 13.

[12] Anderson and Henderson, Research Memorandum 79-1, March, 1979, p. 12.

[13] Anderson, Campbell, and McGee, Research Memorandum 86-4, April, 1986, p. 13.

[14] Anderson and Henderson, Research Memorandum 79-1, p. 12.

[15] Anderson, Campbell, and McGee, Research Memorandum 86-4, p. 13.

.13 for four-year transfers, and .16 for natives. By the end of the first year after transfer, both the four-year college transfers and the natives had recovered over half their pre-transfer or lower division GPA. The recovery, though, did not reach or exceed the pre-transfer GPA until the seventh term for the four-year group and the sixth term for the natives. The community college group, however, never recovered even half of the first term drop for the entire eight terms of the two-year study.[16] In addition, they approached achievement levels (term GPAs) comparable to the four-year transfers and the natives only during the seventh term, after which more than one-half of the original group had failed to re-enroll.

The two transfer groups resemble each other to a greater degree than the native group with regard to graduation and retention rates. Graduation rates two years after transfer for the two-year group ranged from 14 percent for the fall, 1973 group to 7 percent for the fall, 1982 group, and the four-year transfers' graduation rates declined from 16 percent (fall, 1973) to 8 percent (fall, 1980), with an increase to 12 percent in fall, 1982. The natives graduated 45, 43, and 38 percent respectively for fall 1973, 1980, and 1982.[17,18,19] These data show that graduation rates have generally declined for the transfer groups and are approximately half what they were for the 1973 group, while the native sample has declined by a much smaller proportion, from 45 percent in 1973 to 38 percent in 1982.

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[16] Anderson, Campbell, and McGee, Research Memorandum 86-4, pp. 13-17.

[17] Anderson and Henderson, Research Memorandum 79-1, p. 29.

[18] Ernest F. Anderson, Linda M. Heiser, and Trudy A. Campbell, "Two-Year Comparison of Transfer and Native Student Progress at the University of Illinois at Chicago-University Center, Fall, 1980 Group." Champaign: University Office of School and College Relations, University of Illinois, Research Memorandum 84-1, January, 1984, p. 21.

[19] Anderson, Campbell, and McGee, Research Memorandum 86-4, p. 22.

Retention rates have fluctuated over the past decade, but the community college and four-year transfers consistently retain at least 30 percent fewer students than the native group. Community college transfers have had two-year retention rates ranging from .47 to .34, while four-year transfers ranged from .44 to .39, with the natives reporting a high of .81 and a low of .76.[20]

Statistics compiled on beginning freshmen at Chicago provide another perspective for interpreting graduation and retention rates. The natives selected for the comparison studies may be expected to have high retention and graduation rates, since those more likely to leave the university have been eliminated before their selection for the study. The statistics on beginning freshmen are more similar to the transfer groups than the native population selected for the studies. The transfer groups have graduation rates that have declined by one-half since the 1973 group and have retention rates at least 30 percent below the natives. Beginning freshmen also have relatively low retention rates. The 1972 beginning freshmen attained a graduation rate of approximately 18 percent four years after enrolling at Chicago. The rate had dropped to 8 percent for the fall, 1981 group. Furthermore, retention rates ranged from 41 percent to 32 percent.[21] The achievement patterns of the transfers, then, may actually be parallel to those entering the University as freshmen, suggesting that achievement and retention may be affected more by

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[20] Anderson, Research Memorandum 71-6; Anderson and Henderson, Research Memorandum 79-1; Ernest F. Anderson and Linda M. Heiser, "A Comparison of Transfer and Native Student Progress at the University of Illinois at Chicago Circle, Fall, 1978 Group." Champaign: University Office of School and College Relations, University of Illinois, Research Memorandum 82-1, February, 1982, pp. 12-17; Anderson, Heiser, and Graue, Research Memorandum 83-1, February, 1983, pp. 12-16; Anderson, Heiser, and Campbell, Research Memorandum 84-1, pp. 13-17.

[21] Ira W. Langston, unpublished five-year retention data prepared for the University Office of School and College Relations, University of Illinois, Champaign.

variables other than whether one is a transfer or native student at the time of first entry.

Although the Chicago and Urbana-Champaign campuses enroll populations with different characteristics, it is helpful to note trends in achievement for the Urbana-Champaign campus (UIUC). Like Chicago, UIUC transfer groups more nearly resemble each other than the natives with regard to graduation and retention rates. Two-year and four-year transfers differ in retention by 5 to 7 percent, while the average for the total transfer group differs by as much as 14 percent from the natives.[22,23] Graduation rates at the end of two years after transfer are also much higher (25%-34%) for the natives.[24] Retention and graduation rates are generally higher at UIUC than those reported for Chicago. At UIUC, the fall, 1982 transfer study reported retention rates of .75 for two-year transfers, .80 for the four-year group, and .90 for the natives at the end of two years. Graduation rates were .38, .45, and .71, respectively.[25] The UIC transfer study of UIC-UC for the same year reported retention rates of .41, .42, and .78, while graduation rates were only .07, .12, and .38.[26]

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[22] Ernest F. Anderson, "Three-Year Comparison of Transfer and Native Student Progress at the University of Illinois at Urbana-Champaign, Fall, 1973 Group." Research Memorandum 77-9, August, 1977; Ernest F. Anderson and Philip G. Beers, "Two-Year Comparison of Transfer and Native Student Progress at the University of Illinois at Urbana-Champaign, Fall, 1977 Group." Research Memorandum 80-6, September, 1980.

[23] Ernest F. Anderson and Linda M. Heiser, "Two-Year Comparison of Transfer and Native Student Progress at the University of Illinois at Urbana-Champaign, Fall, 1978 Group." Research Memorandum 82-6, July, 1982; Ernest F. Anderson, Linda M. Heiser, and Trudy A. Campbell, "Two-Year Comparison of Transfer and Native Student Progress at the University of Illinois at Urbana-Champaign, Fall, 1980 Group." Research Memorandum 84-2, February, 1984.

[24] Ibid.

[25] Ernest F. Anderson and Trudy A. Campbell, "Two-Year Comparison of Transfer and Native Student Progress at the University of Illinois at Urbana-Champaign, Fall, 1982 Group." Research Memorandum 85-2, July 1985, p. 21.

[26] Anderson, Campbell, and McGee, Research Memorandum 86-4, p. 17.

One can conclude from these studies that transfers to the University of Illinois generally do not achieve at the same level as they achieved before transfer or at the same level as the natives, but that achievement improves each term they are in attendance. State and national studies generally support these findings when looking at the total transfer group.

A five-year transfer study conducted by the Illinois Community College Board of 9,757 fall, 1979 community college transfers to Illinois four-year colleges and universities concluded that...

> "...the transfer function of two-year colleges is successful. This conclusion is in agreement with prior statewide studies of Illinois transfer students."[27]

> "The average pre-transfer GPA for all students was 2.93. An 11.6 percent decline of .34 was experienced the first term after transfer when the GPA fell to 2.59. The average GPAs steadily increased during the next three terms to a high of 2.82 and then declined through the Spring Term 1984, the final term of the study....The overall average cumulative senior college GPA was 2.66...."[28]

Unlike past studies, recovery of pre-transfer GPA did not occur for the transfer students as a total group. Results of this study also show that 60 percent entered without first completing a two-year associate degree, 31 percent entered with an Associate in Arts or Associate in Science degree, and 7 percent completed an Associate in Applied Science before deciding to continue their education. The highest senior college completion rates were for those entering with the highest GPA's and those having completed AA or AS degrees before transfer. Transfer students with AA or AS degrees had a graduation rate of .67 compared to .48 for other transfers who did not complete

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[27] Illinois Community College Board, "A Five-Year Study of Students Transferring from Illinois Two-Year Colleges to Illinois Senior Colleges/Universities in the Fall of 1979." Springfield: May, 1986, p. 30.

[28] Ibid., p. 12.

degrees or had only the AAS. Another finding is that the under 25 and over 40 age groups of transfer students graduated from senior college at a higher rate than the 25 to 39 age group (grades were not a major factor in withdrawal).

A National Longitudinal Study by Peng[29] shows data to support earlier findings that transfer students do not perform as well as native students in their first year after transfer. Also, the study reports that transfer students in general had lower scores on ability tests and in high school achievement, and so would be expected to have lower GPA's than natives.

Wermers,[30] in comparison of transfer and native student achievement utilizing analysis of covariance to equate the groups, reported...

> ...that junior college transfer students rank lower than four-year transfer students and natives on ACT, HSPR, and SES. Junior college transfer students also scored lower than the four-year groups on standard scores achieved on the CLEP General Examination, the common criteria of achievement. Differences between natives and four-year transfers on ACT, HSPR, SES, and CLEP scores were not as clear.
>
> "Differences on mean CLEP scores among the groups diminished when the control variables were applied in the analysis of covariance technique... . The results of this study seem to indicate that, generally, students who completed lower division requirements in junior colleges, and then transferred to the University of Illinois progressed academically during the first two years of college at a pace equivalent to students who completed lower division requirements in four-year institutions."
> [Note: ACT (American College Test); HSPR (High School Percentile Rank); SES (Socioeconomic Status); CLEP (College Level Examination Program).]

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[29] Samuel S. Peng and J. P. Bailey, Jr., "Differences Between Vertical Transfers and Native Students in Four-Year Institutions." Research in Higher Education, 7 (1977), 145-154.

[30] Donald J. Wermers, "Achievement by Junior College Transfer, Four-Year College Transfer, and Native Juniors as Measured by the CLEP General Examinations." Champaign: University Office of School and College Relations, University of Illinois, Research Memorandum 72-5, March, 1972, p. i.

In summary, statewide and national reports suggest that community college transfers to senior colleges and universities achieve at a somewhat lower level after transfer than they did prior to transfer. The studies of transfer students to the two campuses of the University of Illinois provide evidence which support these findings. This study of the fall, 1983 transfer group at Chicago provides additional data showing the difference in achievement levels of transfer students from community colleges and four-year colleges.

II. FINDINGS

First Term Achievement

Table 1 presents a summary of transfer and native student progress for the eight-term period from fall, 1983 through summer, 1985. A detailed presentation and analysis of the 1983 fall term is presented in Appendix A for each community college from which five or more students transferred. Individual institutions are identified by confidential code.

The community college group of 1,141 transfers entered in the fall of 1983 with a pre-transfer grade point average of 3.89 (A=5.00). This group achieved a 3.40 mean first term GPA at UIC, which was .49 lower than this group's mean pre-transfer GPA. This drop in mean first term GPA is comparable to the average drop of .48 for previous reported community college transfer groups from fall, 1973 to the last report in fall, 1982. During this period, however, the drop has ranged from -.59 for fall, 1979 to -.35 for fall, 1981.[31,32]

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[31] Anderson and Henderson, Research Memorandum 79-1, p. 12; Ernest F. Anderson and Stanley F. Henderson, "Comparison of Transfer and Native Student Progress at the University of Illinois at Chicago Circle, Fall, 1976 Group." Champaign: University Office of School and College Relations, University of Illinois, Research Memorandum 78-3, March, 1978, p. 8.

[32] Anderson and Heiser, Research Memorandum 82-1, p. 13; Anderson, Heiser, and Graue, Research Memorandum 83-1, p. 12; Anderson, Heiser, and Campbell, Research Memorandum 84-1, p. 13; Anderson and Campbell, Research Memorandum 85-1, p. 13; Anderson, Campbell, and McGee, Research Memorandum 86-4, p. 13.

TABLE 1

Summary of Transfer and Native Student Progress

University of Illinois at Chicago

Fall, 1983 Group

Term (1)	Two-Year Colleges (2)			Four-Year Colleges (3)			Continuing Sophomores & Juniors (4)		
Fall, 1983									
No. of Transfers	1141		100%	1028		100%	1310		100%
Mean Transfer GPA		3.89			3.67			3.64	
Mean 1st Term GPA		3.40			3.56			3.54	
Change in Mean GPA		-0.49			-0.11			-0.10	
Status:									
Graduated	1		0%*	7		1%	1		0%*
Clear	765		67%	664		65%	1005		77%
Probation	226		20%	187		18%	245		19%
Dropped	79		7%	78		8%	29		2%
Withdrew	70		6%	92		9%	30		2%
Retention Ratio**	992	0.87		858	0.83		1251	0.95	
Winter, 1984									
No. Re-enrolled	912		80%	759		74%	1223		93%
Mean Transfer GPA		3.93			3.71			3.66	
Mean 2nd Term GPA		3.44			3.57			3.58	
Change in Mean GPA		-0.49			-0.14			-0.08	
Increase Over 1st Term		0.04			0.01			0.04	
Status:									
Graduated	0		0%	5		1%	4		0%*
Clear	598		66%	507		67%	953		78%
Probation	208		23%	160		21%	208		17%
Dropped	63		7%	32		4%	24		2%
Withdrew	43		5%	55		7%	34		3%
Retention Ratio**	807	0.71		679	0.66		1166	0.89	

*Less than 1%.

**Retention Ratio: The proportion of Fall, 1983 transfers which has graduated or completed the term on clear or probationary status.

TABLE 1 (Cont.)

Summary of Transfer and Native Student Progress

University of Illinois at Chicago

Fall, 1983 Group

Term (1)	Two-Year Colleges (2)			Four-Year Colleges (3)			Continuing Sophomores & Juniors (4)		
Spring, 1984									
No. of Transfers	778		68%	646		63%	1171		89%
Mean Transfer GPA		3.95			3.71			3.68	
Mean 3rd Term GPA		3.57			3.69			3.65	
Change in Mean GPA		-0.38			-0.02			-0.03	
Increase Over 2nd Term		0.13			0.12			0.07	
Status:									
Graduated	1		0%*	13		2%	43		4%
Clear	559		72%	467		72%	898		77%
Probation	139		18%	97		15%	195		17%
Dropped	51		7%	31		5%	11		1%
Withdrew	28		4%	38		6%	24		2%
Retention Ratio**	700	0.61		589	0.57		1141	0.87	
Summer, 1984									
No. Re-enrolled	239		21%	228		22%	448		34%
Mean Transfer GPA		4.02			3.68			3.63	
Mean 4th Term GPA		3.60			3.60			3.56	
Change in Mean GPA		-0.42			-0.08			-0.07	
Increase Over 3rd Term		0.03			-0.09			-0.09	
Status:									
Graduated	0		0%	6		3%	24		5%
Clear	171		72%	155		68%	283		63%
Probation	56		23%	47		21%	114		25%
Dropped	5		2%	3		1%	1		0%*
Withdrew	7		3%	17		7%	26		6%
Retention Ratio**	229	0.20		233	0.23		469	0.36	

*Less than 1%.

**Retention Ratio: The proportion of Fall, 1983 transfers which has graduated or completed the term on clear or probationary status.

TABLE 1 (Cont.)

Summary of Transfer and Native Student Progress

University of Illinois at Chicago

Fall, 1983 Group

Term (1)	Two-Year Colleges (2)			Four-Year Colleges (3)			Continuing Sophomores & Juniors (4)		
Fall, 1984									
No. of Transfers	623		55%	494		48%	1031		79%
Mean Transfer GPA		3.97			3.70			3.66	
Mean 5th Term GPA		3.58			3.64			3.65	
Change in Mean GPA		-0.39			-0.06			-0.01	
Increase Over 4th Term		-0.02			0.04			0.09	
Status:									
Graduated	0		0%	8		2%	59		6%
Clear	471		76%	354		72%	764		74%
Probation	117		19%	79		16%	161		16%
Dropped	19		3%	24		5%	28		3%
Withdrew	16		3%	29		6%	19		2%
Retention Ratio**	590	0.52		472	0.46		1056	0.81	
Winter, 1985									
No. Re-enrolled	571		50%	412		40%	922		70%
Mean Transfer GPA		4.00			3.74			3.67	
Mean 6th Term GPA		3.65			3.75			3.69	
Change in Mean GPA		-0.35			0.01			0.02	
Increase Over 5th Term		0.07			0.11			0.04	
Status:									
Graduated	9		2%	20		5%	75		8%
Clear	457		80%	314		76%	671		73%
Probation	85		15%	50		12%	140		15%
Dropped	9		2%	10		2%	18		2%
Withdrew	11		2%	18		4%	18		2%
Retention Ratio**	553	0.48		423	0.41		1017	0.78	

*Less than 1%.

**Retention Ratio: The proportion of Fall, 1983 transfers which has graduated or completed the term on clear or probationary status.

TABLE 1 (Cont.)

Summary of Transfer and Native Student Progress

University of Illinois at Chicago

Fall, 1983 Group

Term (1)	Two-Year Colleges (2)			Four-Year Colleges (3)			Continuing Sophomores & Juniors (4)		
Spring, 1985									
No. of Transfers	525		46%	390		38%	829		63%
Mean Transfer GPA		3.98			3.73			3.68	
Mean 7th Term GPA		3.70			3.75			3.76	
Change in Mean GPA		-0.28			0.02			0.08	
Increase Over 6th Term		0.05			0.00			0.07	
Status:									
Graduated	67		13%	49		13%	271		33%
Clear	369		70%	262		67%	433		52%
Probation	67		13%	50		13%	90		11%
Dropped	13		2%	8		2%	13		2%
Withdrew	9		2%	21		5%	22		3%
Retention Ratio**	514	0.45		420	0.41		1000	0.76	
Summer, 1985									
No. Re-enrolled	184		16%	123		12%	244		19%
Mean Transfer GPA		4.04			3.74			3.55	
Mean 8th Term GPA		3.64			3.60			3.36	
Change in Mean GPA		-0.40			-0.14			-0.19	
Increase Over 7th Term		-0.06			-0.15			-0.40	
Status:									
Graduated	16		9%	8		7%	39		16%
Clear	138		75%	80		65%	136		56%
Probation	22		12%	20		16%	43		18%
Dropped	1		1%	3		2%	5		2%
Withdrew	7		4%	12		10%	21		9%
Retention Ratio**	254	0.22		216	0.21		695	0.53	

**Retention Ratio: The proportion of Fall, 1983 transfers which has graduated or completed the term on clear or probationary status.

TABLE 1 (Cont.)

Summary of Transfer and Native Student Progress

University of Illinois at Chicago

Fall, 1983 Group

Term (1)	Two-Year Colleges (2)		Four-Year Colleges (3)		Continuing Sophomores & Juniors (4)		
Summary							
Graduated	94	8%	116	11%	516		39%
Clear	351	31%	251	24%	433	***	33%
Probation	65	6%	58	6%	90	***	7%
Dropped	185	16%	123	12%	NA		
Withdrew	175	15%	187	18%	NA		
Left on Clear	187	16%	199	19%	NA		21%
Left on Probation	84	7%	94	9%	NA		
Total	1141	100%	1028	100%	1310		100%
Retention Ratio**	510	0.45	425	0.41	1039	0.79	

**Retention Ratio: The proportion of Fall, 1983 transfers which has graduated or completed the term on clear or probationary status.

***Estimated figures based on term seven.

NA-Cumulative figures not available. Dropped, withdrew, left on clear, and left on probation figures total 21% of Fall, 1983 natives.

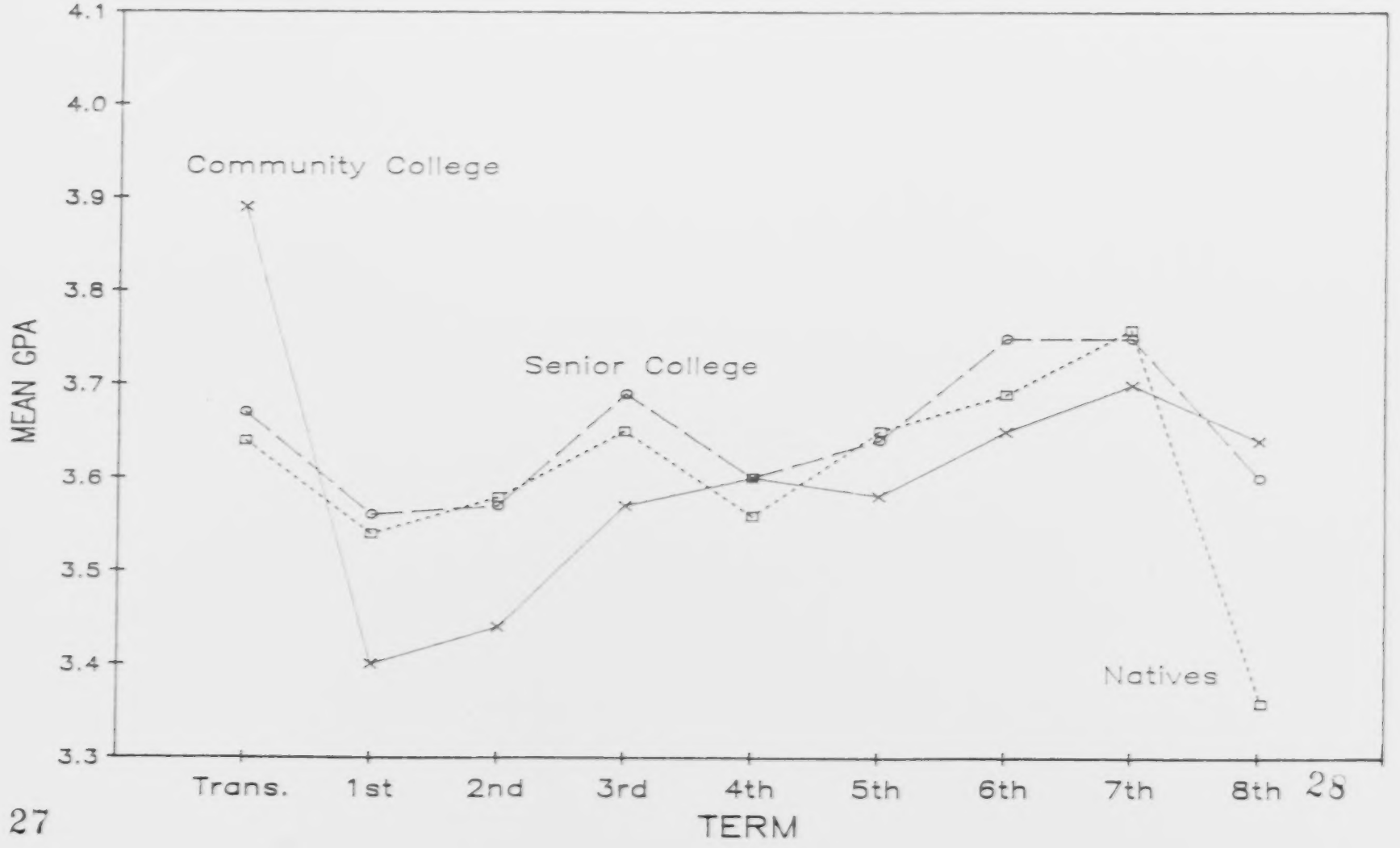
A total of 1,028 four-year college transfers entered UIC in the fall of 1983 with a mean pre-transfer grade point average of 3.67. This group achieved a mean first term GPA of 3.56, a decrease of .11 from the group's mean pre-transfer GPA.

The mean pre-transfer GPA's and the mean UIC GPA's for the three study groups are illustrated in Figure I for each of the eight terms. Comparison of the three groups in Figure I shows that community college transfers entered with a mean pre-transfer GPA somewhat higher than the continuing sophomores and juniors, and the four-year college transfers; the community college transfers' first term UIC performance, however, was approximately .49 lower than their previous achievement, .16 lower than the four-year college transfers' first term UIC GPA, and .14 lower than the natives' fall, 1983 UIC grade point average.

Further analysis of variation in group performance for the fall, 1983 term shows that there was only a slight proportional difference among two-year transfers, natives, and four-year transfers placed on probation (20%, 19%, and 18% respectively) while the two-year (7%) and four-year (8%) transfers had a greater portion of students dropped at the conclusion of the term than was the case for the native group (2%). Table 1 reports that 27 percent of the community college group and 26 percent of the four-year college group were either on probation or dropped. The comparable figure for the natives was only 21 percent.

Another way of comparing the three groups of students is by observing their retention. The retention ratio is calculated by summing the number of community college transfers who have graduated and those who remain enrolled, either on clear or probation, at the end of a term, then dividing that sum by

FIGURE 1
Transfer & Native GPA's by Group & Term
UIC — Fall 1983 Group



the total number of community college transfers in the original 1983 fall group. This analysis was used for the two transfer groups and the continuing sophomores and juniors. For example, the retention ratio (RR) for the fall, 1983 community college group at the conclusion of the 1984 spring term (3rd) is calculated as shown below:

$$\text{Retention Ratio: } (RR) = \frac{\text{Graduates (G) + Clear (C) + Probation (P)}}{\text{Fall, 1983 Population (N)}}$$

$$RR_3 = \frac{G_{(1+2+3)} + C_3 + P_3}{N_1}$$

$$RR_3 = \frac{(1+0+1) + 559 + 139}{1,141}$$

$$RR_3 = \frac{700}{1,141}$$

$$RR_3 = .61$$

Retention rates for fall term, 1983 were .87 for the community college group, .83 for the four-year college group, and .95 for the continuing sophomores and juniors (natives). A comparison of fall, 1983 retention ratios with winter, 1984 re-enrollment percentages reveals that even though 87 percent of the community college group were eligible to return for the winter term, only 80 percent actually re-enrolled, which was an additional loss of 7 percent of the original community college population. The four-year college group lost 9 percent of the group between the fall and winter terms due to failure to re-enroll. Two percent of the natives who were eligible to re-enroll failed to do so.

As demonstrated by previous studies, and substantiated by data for the 1983 fall term, a substantial drop in first term GPA from approximately .30 to .60 occurs consistently for community college transfers at UIC. An analysis of factors influencing this drop is not readily available, although the phenomenon (which has been termed "transfer shock") may be the result of difficulties in adjustment to the university environment. As in the past, a difference between achievement of community college transfers and the other two groups is greater during the first term than in any of the other terms reported in the studies. The fall, 1983 community college transfers also continued to experience a substantial difference in achievement from the other two groups for the first three terms after transfer. By the seventh term, all three groups were achieving at about the same level, but approximately 57 percent of the transfers and 24 percent of the natives had withdrawn, left, or been dropped from the University.

It is clear in Figure I that the senior college transfer entered the university with transfer GPA's slightly higher than the natives and achieved UIC GPA's slightly higher than the natives for five of the eight terms studied. The cumulative numbers and ratio of graduates, along with the retention ratios, are presented in Table 2 for each group in each of the eight terms and are illustrated in Figures IIA, IIB, and IIC. The information presented in Table 2 and illustrated in these three figures demonstrate that the natives graduate or continue on clear or probationary status at a higher rate than the transfers.

TABLE 2

Number of Graduates, Cumulative Graduation Ratio, and Cumulative Retention Ratio by Term and Type of Institution of Last Attendance

University of Illinois at Chicago

Fall, 1983 Group

	Two-Year College Transfers				Four-Year College Transfers				Continuing Soph. & Jrs.			
			Cumulative				Cumulative				Cumulative	
Term (1)	No. (2)	Cum. No. (3)	Grad. Ratio (4)	Reten. Ratio (5)	No. (6)	Cum. No. (7)	Grad. Ratio (8)	Reten. Ratio (9)	No. (10)	Cum. No. (11)	Grad. Ratio (12)	Reten. Ratio (13)
1	1	1	0.00*	0.87	7	7	0.01	0.83	1	1	0.00*	0.95
2	0	1	0.00*	0.71	5	12	0.01	0.66	4	5	0.00*	0.89
3	1	2	0.00*	0.61	13	25	0.02	0.57	43	48	0.04	0.87
4	0	2	0.00*	0.20**	6	31	0.03	0.23**	24	72	0.05	0.36**
5	0	2	0.00*	0.52	8	39	0.04	0.46	59	131	0.10	0.81
6	9	11	0.01	0.48	20	59	0.06	0.41	75	206	0.16	0.78
7	67	78	0.07	0.45	49	108	0.11	0.41	271	477	0.36	0.76
8	16	94	0.08	0.22**	8	116	0.11	0.21**	39	516	0.39	0.53**
Total Transfers		1141				1028				1310		

*Less than 1%.
**Summer Session.

FIGURE IIA

Community College Retention & Graduation Ratios by Term — UIC Fall 1983 Group

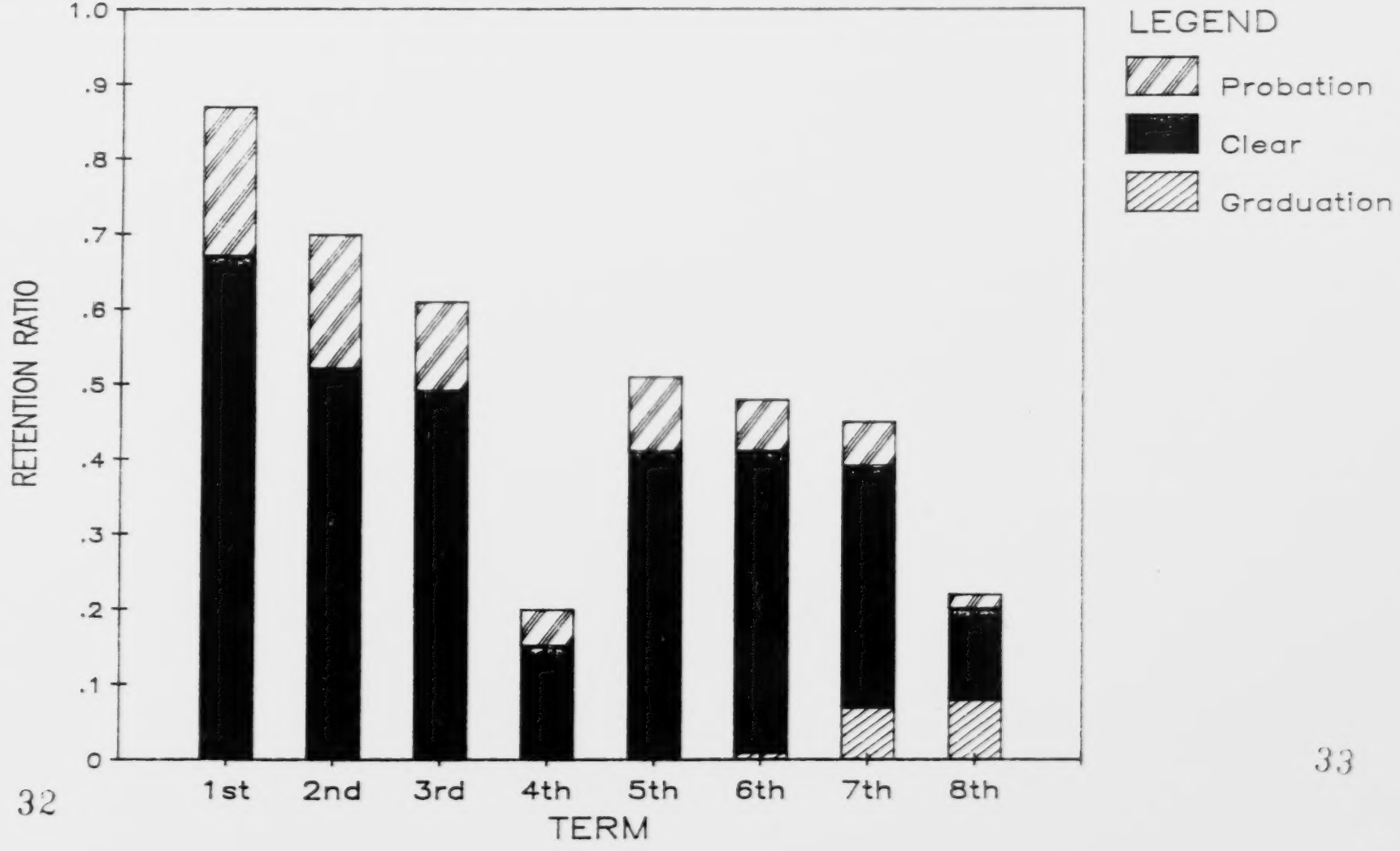


FIGURE IIB

Senior College Retention & Graduation Ratios by Term — UIC Fall 1983 Group

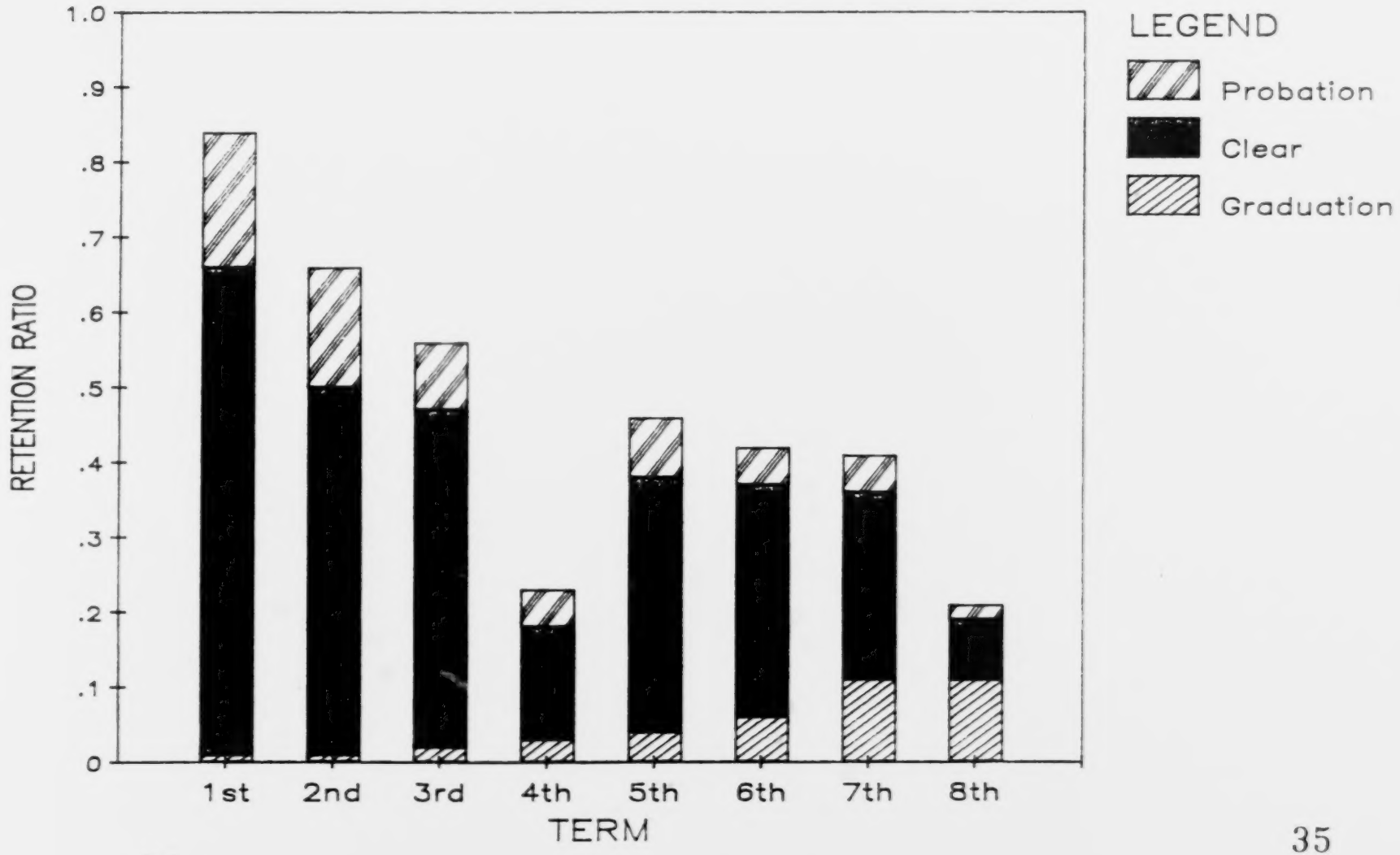
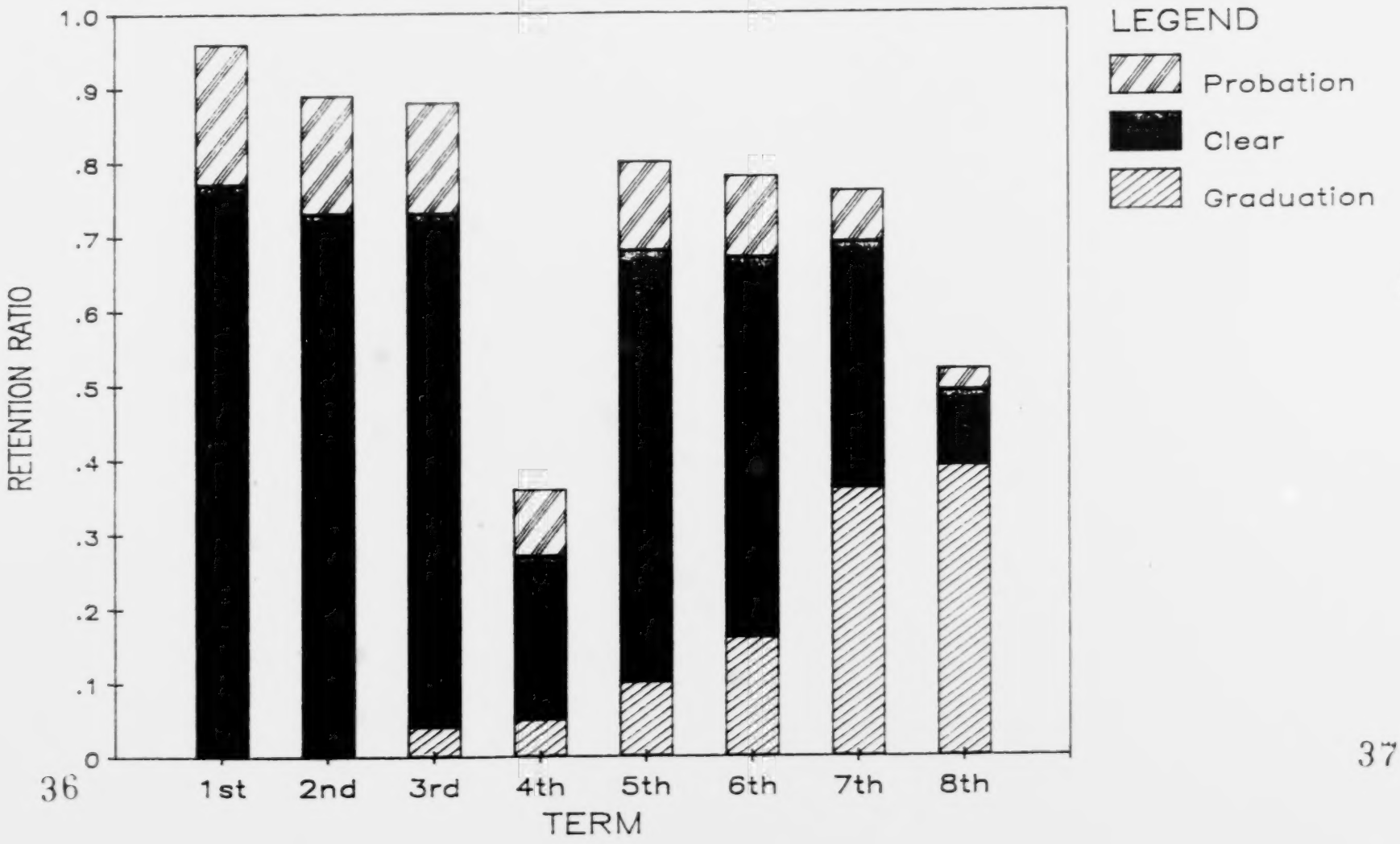


FIGURE IIC

Native Student Retention & Graduation Ratios by Term — UIC Fall 1983 Group



Achievement and Retention One Year After Transfer

Three terms after transfer, the 778 community college transfers who re-enrolled achieved a mean GPA of 3.57, which was a decrease (-.38) when compared with the group's mean pre-transfer GPA, and was a .13 increase over their mean second term GPA. Less than 1 percent of the original (1141) community college group had graduated. Of those transfers re-enrolled for the third term, 72 percent and 18 percent, respectively, were continuing on clear or probationary status; 7 percent dropped, 4 percent officially withdrew and never returned, 4 percent left on clear status, and 3 percent left on probationary status. A total of 700 community college transfers had either graduated or completed the 1984 spring term on clear or probationary status, which resulted in a retention ratio of .61 for the group.

The four-year college group consisted of 646 students enrolled for the third term. This group achieved a mean term GPA of 3.69, which was .12 greater than their mean second term GPA and was .02 less than their pre-transfer GPA. Of the original (1028) four-year college group, 2 percent had graduated. For those (646) re-enrolled the third term, 72 percent were on clear status, and 15 percent were on probationary status; 5 percent dropped, 6 percent withdrew, 4 percent left on clear, and 5 percent left on probation.

The native sophomores and juniors who re-enrolled for the third term (1,171 students) achieved a mean term GPA of 3.65, which was an increase of .07 when compared to the group's mean second term GPA, and was .03 less than the group's UIC GPA before fall, 1983. At the end of three terms, 4 percent of the original (1310) group of natives had graduated. Of those re-enrolled for the third term (1171), 94 percent were on continuing status (clear or probation), 1 percent dropped, and 2 percent withdrew; the numbers of continuing sophomores and juniors who chose to leave between terms were not available. The retention ratio of the continuing natives was .87 (see Appendix C).

This study demonstrates that community college transfers continue to experience a substantial drop in GPA during their first term after transfer, although the drop is not as great as in previous years (from .59 in 1979 to .49 in 1983). In addition, consistent with earlier groups, partial recovery occured by the third term.

Data from previous studies supported the hypothesis that some of the "transfer shock" (first term drop in GPA), followed by a partial recovery during the second and third terms by the continuing community college group, may be explained by the absence of the "leavers" who were dropped or left on probation during the first term. The fall, 1983 community college group experienced "transfer shock" at the same level as previous groups, but did not show a substantial recovery until the seventh term at UIC. As in previous years, four-year college transfers were affected by "transfer shock," but to a lesser degree as noted by comparing pre-transfer GPA with UIC first term GPA and by noting gains in mean GPA the second and third term after transfer.

Fifth Term Achievement and Retention

Fifty-five percent of the community college group and 48 percent of the four-year college group re-enrolled for the 1984 fall term, while 79 percent of the native group re-enrolled for the fall term. The community college transfer group achieved a UIC fall term GPA of 3.58, which is .39 less than that group achieved before transfer. The four-year college transfer group (-.06) and the natives (-.01) achieved GPA's slightly lower than their pre-transfer and lower division work. The enrolled community college transfer group's GPA continued to be lower than the four-year transfer group and natives' GPA (.06 and .07).

The retention ratios for the community college transfers (.52) and four-year college transfers (.46) were similar at the end of the fifth term, with the natives reporting a much higher retention ratio of .81. Of those students who re-enrolled the second year (Fall, 1984), approximately 3 percent in the community college transfer group were dropped by the end of the fall term, while 5 percent of the four-year college transfers and 3 percent of the natives were dropped. The data for the individual community colleges with five or more transfers are presented in Appendix D for the 1984 fall term. These data show that the retention ratios range from a low of .22 to a high of 1.00 for individual colleges.

The fall, 1983 community college group, however, never achieved a GPA at UIC equal to the group's transfer GPA. Figure I illustrates that the senior college and native groups begin with similar GPA's at UIC and that only the natives and four-year transfers continue to achieve at a GPA level similar to the one they had attained during their previous college work. This is in contrast to the two Fall, 1982 transfer groups (most recent report) studied at Urbana-Champaign. Both these groups have a major drop in GPA during the first term and recover approximately one-third to one-half of the drop in GPA by the end of the spring term of the second year after transfer. The UIUC four-year college transfer group never achieved a GPA equal to their transfer GPA, while the UIC fall, 1983 transfers did achieve UIC GPA's equivalent to their pre-transfer GPA by the sixth term.

Achievement and Status Two Years After Transfer

This study demonstrates that the 1,141 community and junior college transfers originally entered with 3.89 transfer GPA and experienced a substantial drop (.49) in GPA during the first term after transfer, and the

remaining students gradually recovered to .28 below that group's (N = 525) pre-transfer GPA (3.98), but never fully recovered (Figure III). Both the four-year college transfers and the natives experienced a small drop in their GPA's during the first term (.11 and .10), but both groups were able to recover. By the end of the winter, 1985 term, the four-year group currently enrolled increased its GPA by .01 over that group's pre-transfer GPA of 3.74 (Figure IV) and the natives increased their GPA by .02 over the lower division GPA of 3.67 (Figure V).

Approximately two out of five (39%) of the natives, 11 percent of the four-year college transfers, and 8 percent of the community college transfers graduated during the two-year period covered by this study. While it is not surprising that two-fifths of the natives who have successfully completed 45 to 134 quarter hours (sophomores and juniors) graduated during the two years of study, it is discouraging that only 11 percent of the four-year college transfers graduated and only 8 percent of the community college transfers graduated during this period.

The proportion of transfer students who left UIC because they were either dropped or were on probation obviously contributed significantly to this low graduation and retention rate. Approximately one out of six community college transfers was dropped for academic reasons and never re-enrolled, and an additional 7 percent left UIC on probation and never re-enrolled. This means that approximately one out of four (23%) community college transfers left UIC and did not return following academic difficulty.

A smaller proportion of the four-year college transfers were dropped (12%) and never re-enrolled, and a similar proportion of this group left on probation (9%) for a total of 21 percent who left UIC and did not return following

FIGURE III
Community College Transfer & UIC GPA's by Term
UIC — Fall 1983 Group

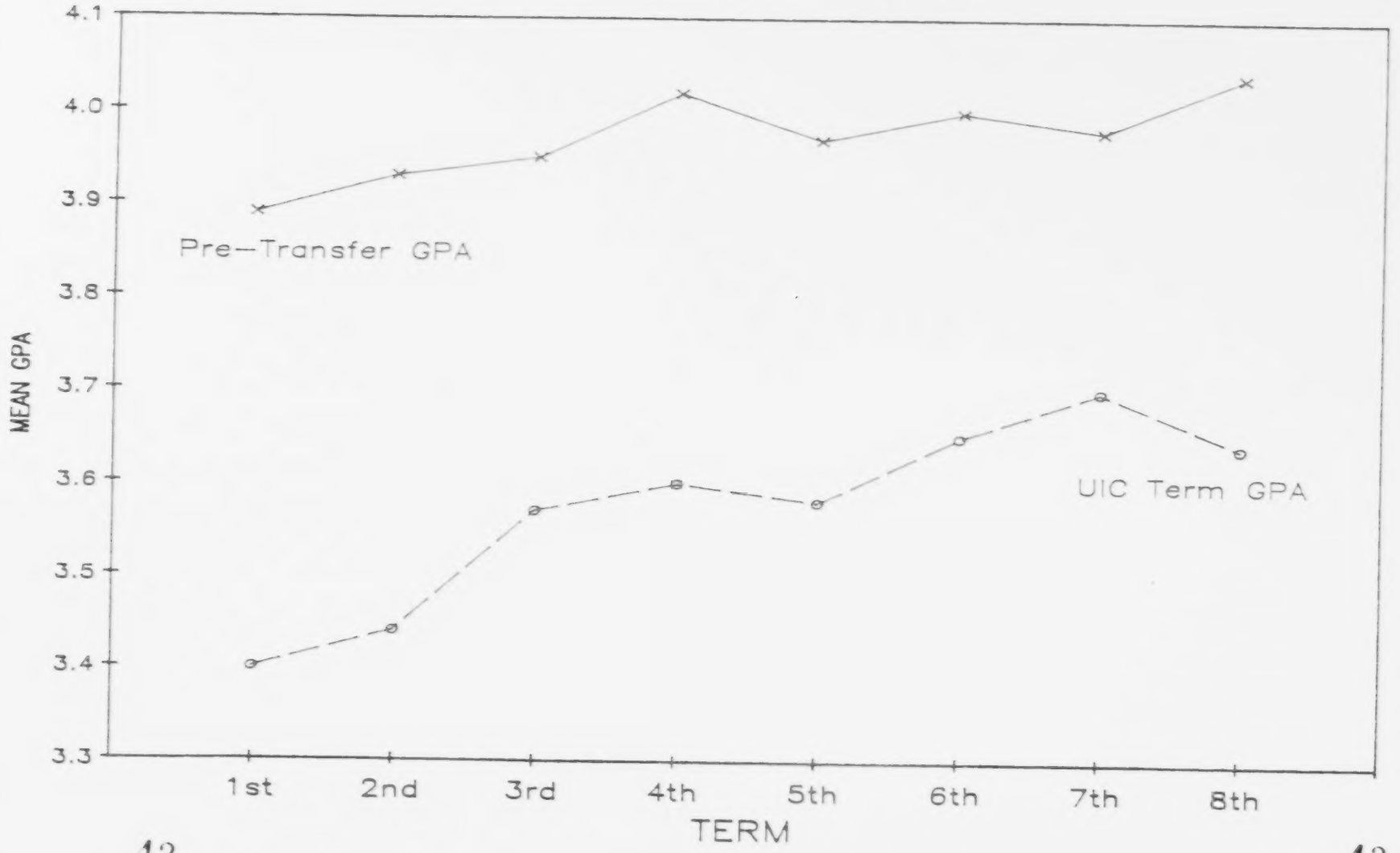


FIGURE IV
Senior College Transfer & UIC GPA's by Term
UIC — Fall 1983 Group

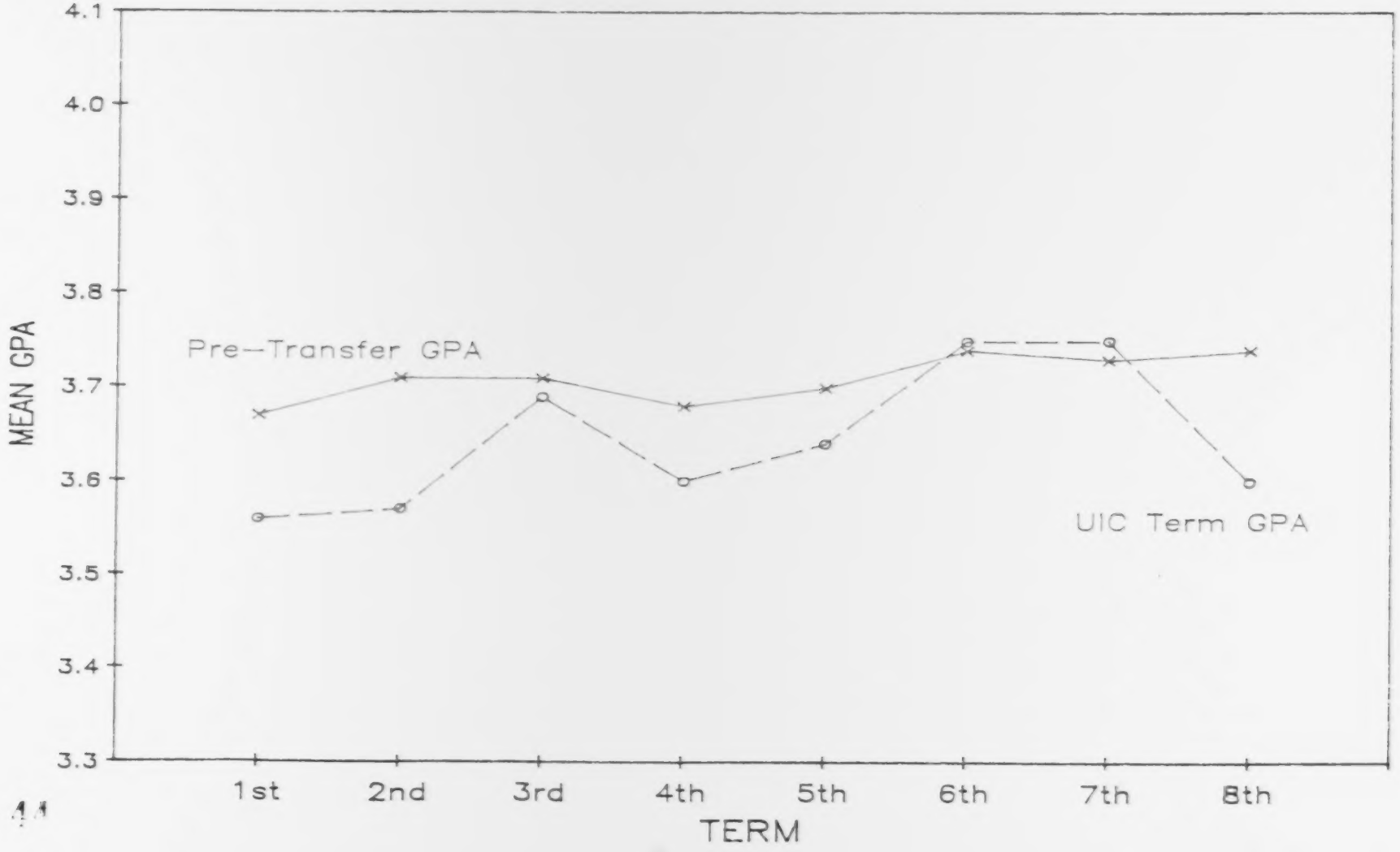
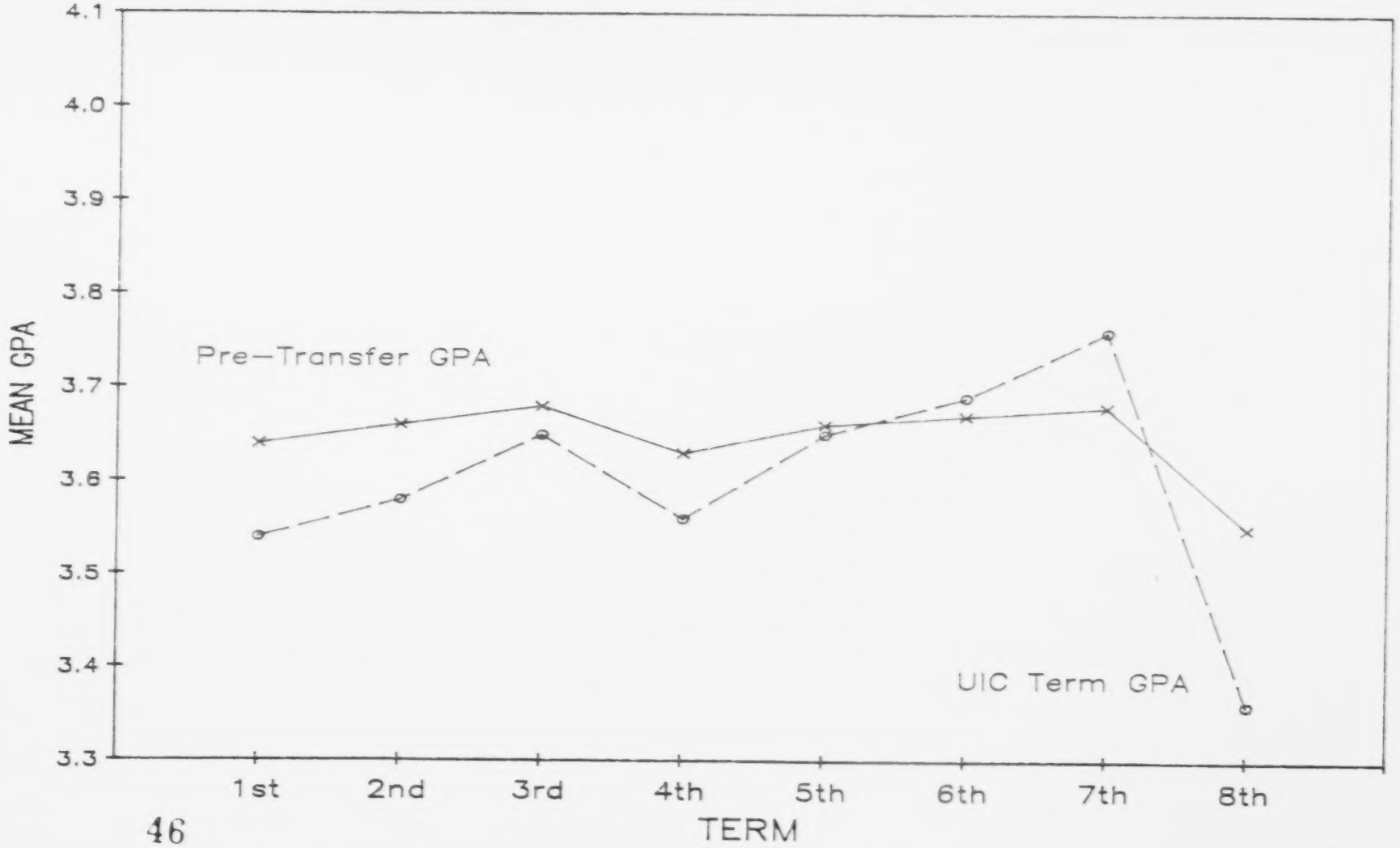


FIGURE V
UIC Native Student GPA's by Term
UIC — Fall 1983 Group



academic difficulty. Comparable figures are not directly available for the natives, but a combination of those who dropped, withdrew, left on probation, and left on clear totaled only 21 percent, while the community college transfers totaled 54 percent and the four-year college transfers totaled 58 percent. Although the proportion of those leaving on clear is not available, it is still possible to conclude that slightly less than three times as many community college transfer students and four-year college transfers, in comparison with native sophomores and juniors, leave because of academic difficulty.

Comparison by Subject Area

Data on transfer and native student grade point averages at UIC in each of ten subject areas for the eight terms included in this study are presented in Table 3. The community college group, the four-year group, and the natives were each assigned a performance rank in each of the ten subject areas based upon the mean UIC GPA for each term.

This rank-ordering procedure revealed that community college transfers did not rank first, or highest, in any of the ten subject areas for the 1983 fall term. The four-year group more closely resembled that of the continuing sophomores and juniors with three subject areas ranked first (with a tie in the fourth) while the continuing sophomores and juniors achieved the highest GPA in six of the ten subject areas. Although the continuing sophomores and juniors ranked first in six of the subject areas (biological sciences, English and humanities, foreign language, math, physical sciences, and social sciences), four-year transfers ranked first in the overall course average with a GPA of 3.56, natives and the two-year college transfers ranked second and third with GPA's of 3.54 and 3.40, respectively.

TABLE 3
Comparison of Transfer and Native Student Academic Achievement by Subject Area
University of Illinois at Chicago
Fall, 1983 Group

Subject Area (1)	Two-Year Transfers Mean GPA (2)	Two-Year Transfers Rank (3)	Four-Year Transfers Mean GPA (4)	Four-Year Transfers Rank (5)	Continuing Sophomores & Juniors Mean GPA (6)	Continuing Sophomores & Juniors Rank (7)
Fall, 1983 (Term 1)						
Biological Sciences	3.19	3	3.30	2	3.52	1
Business Admin.	3.44	3	3.45	1.5	3.45	1.5
English & Humanities	3.70	3	3.89	2	3.94	1
Foreign Language	3.72	3	3.73	2	3.81	1
Math	3.21	2.5	3.21	2.5	3.32	1
Physical Sciences	3.32	3	3.36	2	3.50	1
Social Sciences	3.38	3	3.69	2	3.75	1
Engineering	4.24	3	4.50	1	4.33	2
Architecture & Art	3.67	3	4.09	1	3.77	2
Education	4.20	3	4.25	1	4.24	2
All Courses	3.40	3	3.56	1	3.54	2
Winter, 1984 (Term 2)						
Biological Sciences	3.02	3	3.27	2	3.43	1
Business Admin.	3.46	2	3.33	3	3.52	1
English & Humanities	3.84	3	3.86	2	4.07	1
Foreign Language	3.57	3	3.86	1	3.81	2
Math	3.28	1	3.12	3	3.18	2
Physical Sciences	3.39	3	3.64	1	3.45	2
Social Sciences	3.51	3	3.76	2	3.77	1
Engineering	3.73	2	3.50	3	4.50	1
Architecture & Art	3.63	3	3.96	1	3.87	2
Education	4.23	3	4.28	2	4.37	1
All Courses	3.44	3	3.57	2	3.58	1
Spring, 1984 (Term 3)						
Biological Sciences	3.20	3	3.41	1	3.37	2
Business Admin.	3.61	2	3.66	1	3.56	3
English & Humanities	3.86	2	3.95	1	3.84	3
Foreign Language	3.53	3	3.90	1	3.80	2
Math	3.40	1	3.19	3	3.37	2
Physical Sciences	3.49	3	3.61	2	3.66	1
Social Sciences	3.64	3	3.86	1	3.85	2
Engineering	4.14	1	4.00	2.5	4.00	2.5
Architecture & Art	3.80	3	4.01	1	3.86	2
Education	4.27	2	4.18	3	4.40	1
All Courses	3.57	3	3.69	1	3.65	2

TABLE 3 (Cont.)
Comparison of Transfer and Native Student Academic Achievement by Subject Area
University of Illinois at Chicago
Fall, 1983 Group

Subject Area (1)	Two-Year Transfers Mean GPA (2)	Two-Year Transfers Rank (3)	Four-Year Transfers Mean GPA (4)	Four-Year Transfers Rank (5)	Continuing Sophomores & Juniors Mean GPA (6)	Continuing Sophomores & Juniors Rank (7)
Summer, 1984 (Term 4)						
Biological Sciences	3.00	3	3.13	2	3.29	1
Business Admin.	3.56	2	3.70	1	3.46	3
English & Humanities	4.17	2	4.30	1	4.05	3
Foreign Language	3.00	3	3.83	2	4.00	1
Math	3.44	1	3.07	3	3.26	2
Physical Sciences	3.71	1	3.42	2	3.23	3
Social Sciences	3.83	1	3.65	3	3.73	2
Engineering	4.00	1	NA	-	2.50	2
Architecture & Art	3.91	2	3.95	1	3.53	3
Education	4.29	2	4.44	1	4.28	3
All Courses	3.60	1.5	3.60	1.5	3.56	3
Fall, 1984 (Term 5)						
Biological Sciences	3.09	3	3.27	2	3.50	1
Business Admin.	3.56	3	3.68	1	3.62	2
English & Humanities	4.00	2	4.13	1	3.99	3
Foreign Language	3.34	3	3.72	1	3.71	2
Math	3.40	1	3.04	3	3.31	2
Physical Sciences	3.33	3	3.41	2	3.57	1
Social Sciences	3.75	3	4.05	1	3.86	2
Engineering	4.00	3	4.50	1.5	4.50	1.5
Architecture & Art	3.94	1	3.90	3	3.91	2
Education	4.25	3	4.58	1	4.38	2
All Courses	3.58	3	3.64	2	3.65	1
Winter, 1985 (Term 6)						
Biological Sciences	3.39	3	3.61	1	3.46	2
Business Admin.	3.75	1	3.62	3	3.66	2
English & Humanities	4.10	1	3.94	2.5	3.94	2.5
Foreign Language	3.60	3	3.84	1	3.78	2
Math	3.35	2	3.52	1	3.25	3
Physical Sciences	3.41	2	3.34	3	3.50	1
Social Sciences	3.73	3	3.91	1	3.85	2
Engineering	NA	-	4.00	2	4.57	1
Architecture & Art	3.83	2	4.10	1	3.79	3
Education	4.24	3	4.32	1	4.28	2
All Courses	3.65	3	3.75	1	3.69	2

TABLE 3 (Cont.)
Comparison of Transfer and Native Student Academic Achievement by Subject Area
University of Illinois at Chicago
Fall, 1983 Group

Subject Area (1)	Two-Year Transfers Mean GPA (2)	Two-Year Transfers Rank (3)	Four-Year Transfers Mean GPA (4)	Four-Year Transfers Rank (5)	Continuing Sophomores & Juniors Mean GPA (6)	Continuing Sophomores & Juniors Rank (7)
Spring, 1985 (Term 7)						
Biological Sciences	3.42	3	3.52	2	3.54	1
Business Admin.	3.75	2	3.69	3	3.82	1
English & Humanities	3.84	3	4.11	1	3.97	2
Foreign Language	3.74	2	3.67	3	3.77	1
Math	3.40	1	3.25	2	3.09	3
Physical Sciences	3.51	2	3.63	1	3.46	3
Social Sciences	3.73	3	4.02	1	3.86	2
Engineering	NA	-	NA	-	3.50	1
Architecture & Art	3.84	3	3.99	1	3.93	2
Education	4.13	3	4.29	2	4.34	1
All Courses	3.70	3	3.75	2	3.76	1
Summer, 1985 (Term 8)						
Biological Sciences	3.25	3	3.60	1	3.40	2
Business Admin.	3.54	1	3.46	2	3.21	3
English & Humanities	4.00	2.5	4.20	1	4.00	2.5
Foreign Language	4.00	1	3.29	3	3.44	2
Math	3.57	1	3.00	3	3.17	2
Physical Sciences	3.41	1	3.32	2	3.10	3
Social Sciences	3.70	2	3.97	1	3.39	3
Engineering	4.50	1	4.00	2	NA	-
Architecture & Art	3.73	2	4.47	1	3.21	3
Education	4.00	3	4.17	1	4.04	2
All Courses	3.64	1	3.60	2	3.36	3

During the first fall term, community college transfers encountered more difficulty in the subject areas of social sciences (GPA = 3.38), physical sciences (GPA = 3.32), math (GPA = 3.21), and biological sciences (GPA = 3.19) than in other areas. Performance in each of these subject areas was below the community college group's average for all courses (3.40). Community college transfers were well above their overall average for all courses in the subject areas of English and humanities (GPA = 3.70), foreign language (GPA = 3.72), education (GPA = 4.20), and engineering (GPA = 4.24).

Similar analyses for following terms show that community college transfers received the lowest overall course average for all terms except summers, and that group also received the lowest mean UIC term GPA in four to seven of the ten subject areas. Natives and four-year college transfers were similar to each other in achievement and number of areas in which they ranked first or second in achievement in the ten subject areas studied. Community college transfers continued to achieve below average GPA's in biological sciences, math, and physical science (with the exception of one summer term). However, the students achieved at levels higher than their overall course average in education, English and humanities, architecture and art, and engineering* for all eight terms. By the end of the 1985 spring term, natives ranked first (3.76) for the mean UIC term GPA for all courses, while four-year transfers ranked second (3.75) and community college transfers achieved the lowest mean GPA (3.70).

Institutional Differences

A summary of community college transfer student progress by institution of last attendance is presented in Table 4 for those Illinois community or junior colleges sending five or more transfer students to the University of Illinois

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*Note: GPA's for two of the eight terms were not reported for engineering.

TABLE 4

Summary of Community College Transfer Student Progress by Institution of Last Attendance
University of Illinois at Chicago
Fall, 1983 Group

Conf. Inst. Code [1]	No. Fall 1983 Trans. [2]	Pre-Trans. GPA [3]	Mean 1st Term GPA [4]	Change in Mean 1st Term GPA [5]	Academic Status After Eight Terms: Grad. No. [6]	Grad. % [7]	Clear No. [8]	Clear % [9]	Pro. No. [10]	Pro. % [11]	Dropped No. [12]	Dropped % [13]	Withdrawn No. [14]	Withdrawn % [15]	Left Clear No. [16]	Left Clear % [17]	Left Pro. No. [18]	Left Pro. % [19]	** Retention Ratio [20]
01*	15	3.72	3.07	-0.65	2	13%	1	7%	1	7%	6	40%	3	20%	1	7%	1	7%	0.27
02	40	3.88	3.52	-0.36	3	8%	9	23%	3	8%	5	13%	7	18%	10	25%	3	8%	0.38
03	5	3.79	3.39	-0.40	0	0%	2	40%	0	0%	2	40%	0	0%	0	0%	1	20%	0.40
04	5	4.36	4.01	-0.35	0	0%	5	100%	0	0%	0	0%	0	0%	0	0%	0	0%	1.00
05	23	4.10	3.80	-0.30	0	0%	10	43%	2	9%	0	0%	3	13%	8	35%	0	0%	0.52
06	90	3.93	3.47	-0.46	5	6%	28	31%	4	4%	17	19%	16	18%	15	17%	5	6%	0.41
07	28	3.90	3.62	-0.28	5	18%	7	25%	0	0%	5	18%	4	14%	4	14%	3	11%	0.43
08	93	3.91	3.34	-0.57	11	12%	28	30%	6	6%	19	20%	14	15%	9	10%	6	6%	0.48
09	6	4.17	3.30	-0.87	0	0%	3	50%	1	17%	0	0%	1	17%	1	17%	0	0%	0.67
10	10	4.20	4.09	-0.11	1	10%	4	40%	1	10%	1	10%	1	10%	2	20%	0	0%	0.60
11	7	3.75	3.45	-0.30	2	29%	0	0%	0	0%	0	0%	1	14%	3	43%	1	14%	0.29
12	55	3.91	3.78	-0.13	3	5%	27	49%	2	4%	2	4%	6	11%	14	25%	1	2%	0.58
13	113	3.84	3.30	-0.54	6	5%	33	29%	11	10%	17	15%	18	16%	13	12%	15	13%	0.44
14	5	4.18	3.91	-0.27	0	0%	4	80%	0	0%	0	0%	0	0%	1	20%	0	0%	0.80
15	36	3.99	3.54	-0.45	6	17%	10	28%	0	0%	3	8%	5	14%	9	25%	3	8%	0.44
16	34	4.04	3.15	-0.89	4	12%	8	24%	1	3%	5	15%	7	21%	3	9%	6	18%	0.38
17	122	3.95	3.65	-0.30	20	16%	42	34%	4	3%	15	12%	16	13%	20	16%	5	4%	0.54
18	20	3.88	3.46	-0.42	1	5%	6	30%	1	5%	2	10%	3	15%	7	35%	0	0%	0.40
19	12	3.73	3.24	-0.49	1	8%	4	33%	1	8%	1	8%	1	8%	3	25%	1	8%	0.50
20	100	3.85	3.28	-0.57	4	4%	35	35%	9	9%	16	16%	12	12%	18	18%	6	6%	0.48
21	18	3.60	2.37	-1.23	0	0%	3	17%	2	11%	7	39%	4	22%	2	11%	0	0%	0.28
22	18	3.60	2.86	-0.74	1	6%	2	11%	0	0%	9	50%	5	28%	0	0%	1	6%	0.17
23	82	3.76	3.14	-0.62	5	6%	23	28%	3	4%	12	15%	20	24%	10	12%	9	11%	0.38
24	26	3.88	2.60	-1.28	1	4%	5	19%	1	4%	6	23%	5	19%	4	15%	4	15%	0.27
25	85	3.88	3.41	-0.47	5	6%	27	32%	4	5%	18	21%	9	11%	14	16%	8	9%	0.42
26	65	3.95	3.48	-0.47	5	8%	19	29%	4	6%	12	18%	11	17%	10	15%	4	6%	0.43
27	28	3.79	3.32	-0.47	3	11%	6	21%	4	14%	5	18%	3	11%	6	21%	1	4%	0.46
2-Yr. Trans.	1141	3.89	3.40	-0.49	94	8%	351	31%	65	6%	185	16%	175	15%	187	16%	84	7%	0.45
4-Yr. Trans.	1028	3.67	3.56	-0.11	116	11%	251	24%	58	6%	123	12%	187	18%	199	19%	94	9%	0.41
Sophs. & Jrs.	1310	3.64	3.54	0.10	516	39%	433 #	33%	90 #	7%	NA	—	NA	—	NA	—	NA	—	0.79##

*Community colleges with fewer than five transfers in the group.

**Retention Ratio: The proportion of Fall, 1983 transfers which has graduated or completed the term on clear or probationary status.

#Figures based on term seven.

##May be slightly inflated because some students re-enrolled and are counted twice.

NA-Cumulative figures not available. Dropped, withdrawn, left on clear, and left on probation figures total 21% of Fall, 1983 transfers.

at Chicago for the 1983 fall term. These data are accompanied by comparable group data for four-year college transfers and continuing natives. Community colleges which sent five or more transfers were assigned a confidential code number, which is shown in column one; these code numbers do not correspond to code numbers assigned to institutions by the University Office of School and College Relations.[33] The number of students who initially entered the 1983 fall term and each group's mean pre-transfer GPA are shown in Columns 2 and 3, respectively. Column 4 shows the mean UIC first term grade point average for the students from each community college which has been coded, and Column 5 shows the change in first term GPA when compared with the pre-transfer GPA. Columns 6 through 19 report academic status after the eighth term, while Column 20 reports retention ratios for the coded community colleges, the two-year transfer group, the four-year transfer group, and the continuing sophomores and juniors group.

Comparison of pre-transfer and first term GPA shows that twenty-three institutions had at least a .30 drop in mean GPA, with two institutions (Codes 21, 24) having a decrease greater than one letter grade. The average decrease for the community college group is .49, and the four-year college transfers decreased their mean GPA from 3.67 to 3.56, while the natives dropped from 3.64 to 3.54.

The retention rates for each of the community colleges with five or more transfers are presented in Column 20 of Table 4. One community college (Code 4) shows a retention ratio of 1.00 after eight terms. Seven community college groups had retention rates between .50 and 1.00. Nineteen community college groups had retention rates less than .50.

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[33] Ernest F. Anderson, "Institution Codes for Identification of Institutions of Last Attendance for Transfer Students, August 1, 1986." Champaign: University Office of School and College Relations, University of Illinois, 1986.

Table 5 presents an analysis of the relationship between the drop in mean first term GPA and the retention ratio for the twenty-seven community college groups. There is a correlation ($r = .45$, $p < .05$) between the institutional drop in first term GPA and the retention ratios for community college students. This is a substantial change from the fall, 1982 group ($r = .76$, $p < .001$). Institutions with smaller decreases in first term GPA are more likely to have a higher retention ratio (see Columns 3 and 4) than institutions with larger drops in mean GPA's from their pre-transfer grades. It is estimated that approximately 20 percent of the variance in retention ratios among the twenty-seven community college groups can be accounted for by variance in mean drop in first term GPA at UIC.

A review of the trend in retention and academic achievement at UIC since 1973 reveals changes in relation to transfer students. Table 6 reports that the number of community college transfers to UIC has decreased since 1973 by as little as 29 in 1982 and as much as 410 in 1978 (when compared to the number of transfers in 1973). In 1982, the number of community college transfers increased substantially (210) from the 1981 figure, but decreased again in 1983 by 147. Pre-transfer GPA's for community college transfers to UIC have remained constant in each of the eight years reported in Table 6, with the highest average (3.89) reported for the fall 1983 group. Retention rates one year after transfer have been similar to previously studied community college transfers at about .60; the two-year retention rate for 1978 transfers was substantially lower than for 1973, decreasing from .43 in 1973 to .34 in 1978, but increasing from .38 in 1979 and 1980 to .45 in 1983.

TABLE 5

Relationship of Drop in Mean First Term GPA and Retention Ratio
University of Illinois at Chicago -- Fall, 1983 Group

Conf. Inst. Code (1)	Number of Transfers (2)	Mean Change in Inst. GPA (X) (3)	Retention Ratio (Y) (4)	Estimated Ret.Ratio (5)
01*	15	-0.65	0.27	0.42
02	40	-0.36	0.38	0.50
03	5	-0.40	0.40	0.49
04	5	-0.35	1.00	0.50
05	23	-0.30	0.52	0.52
06	90	-0.46	0.41	0.48
07	28	-0.28	0.43	0.52
08	93	-0.57	0.48	0.45
09	6	-0.87	0.67	0.37
10	10	-0.11	0.60	0.57
11	7	-0.30	0.29	0.52
12	55	-0.13	0.58	0.56
13	113	-0.54	0.44	0.45
14	5	-0.27	0.80	0.53
15	36	-0.45	0.44	0.48
16	34	-0.89	0.38	0.36
17	122	-0.30	0.54	0.52
18	20	-0.42	0.40	0.49
19	12	-0.49	0.50	0.47
20	100	-0.57	0.48	0.45
21	18	-1.23	0.28	0.27
22	18	-0.74	0.17	0.40
23	82	-0.62	0.38	0.43
24	26	-1.28	0.27	0.26
25	85	-0.47	0.42	0.47
26	65	-0.47	0.43	0.47
27	28	-0.47	0.46	0.47
2-Yr. Trans. Total	1141	-0.49	0.45	0.46 **

Constant (intercept)	0.60
Std Err of Y Est	0.16
r (correlation) XY	0.45 ***
r squared	0.20
No. of Observations	27
Degrees of Freedom	25
Std Deviation (X)	0.28
X Coefficient (slope)	0.27
Std Err of Coef.	0.11
Std Deviation (Y)	0.17
Estimated Y =	0.27 (X) + 0.60

*Community colleges with fewer than five transfers in the group.

**Difference of .01 from retention ratio due to rounding in previous calculations.

***Significant at .05.

TABLE 6

Trends in Community College Transfer Student Performance

University of Illinois at Chicago

1973, 1976, 1978, 1979, 1980, 1981, 1982, and 1983 Transfers

Variable (1)	1973 (2)	1976 (3)	1978 (4)	1979 (5)	1980 (6)	1981 (7)	1982 (8)	1983 (9)
Number of Transfers	1317	1115	907	1030	1109	1078	1288	1141
Pre-Transfer GPA	3.73	3.80	3.77	3.82	3.82	3.82	3.84	3.89
1st Term Drop in Mean GPA	-0.47	-0.49	-0.48	-0.59	-0.52	-0.35	-0.47	-0.49
Mean 1st (F) Term GPA	3.26	3.31	3.29	3.23	3.30	3.47	3.37	3.40
Mean 2nd (W) Term GPA	3.40	3.34	3.39	3.32	3.43	3.46	3.43	3.44
Mean 3rd (S) Term GPA	3.53	3.44	3.46	3.45	3.51	3.49	3.45	3.57
Mean 5th (F) Term GPA	3.61	NA	3.58	3.54	3.52	3.55	3.51	3.58
Mean 6th (W) Term GPA	3.66	NA	3.61	3.58	3.59	3.64	3.54	3.65
Mean 7th (S) Term GPA	3.69	NA	3.64	3.68	3.67	3.70	3.67	3.70
Retention Ratio One Year After Transfer	.63	.62	.54	.58	.58	.62	.60	0.61
Retention Ratio Two Years After Transfer	.43	NA	.34	.38	.38	.42	.41	0.45
Retention Ratio Three Years After Transfer	.35	NA	NA	NA	NA	NA	NA	NA
Graduation Ratio Two Years After Transfer	.14	NA	.07	.06	.07	.07	.07	0.08

Graduation rates two years after transfer have declined from 14 percent in 1973 to 6 percent in 1979 and is currently at .08 (1983). Based on the pre-transfer GPA's, it would not be anticipated that the graduation rates would have declined. The data in this study do not explain the reasons for this change.

Table 7 reports trends in four-year college transfer student progress at UIC. The enrollment trends of four-year college transfers resemble those of community college transfers, with the exception that enrollment declines for four-year transfers were more pronounced in 1976 and 1978. The margin of increase for 1979 and 1980 is similar to the community college group, but in 1981 there was a substantial increase (451) in enrollment of four-year college transfers, while the community college transfer enrollment did not increase dramatically until 1982. Both groups experienced a decline from 1982 to 1983, however, the decline in the number of four-year transfers was much greater (279 vs. 147). Pre-transfer GPA's for four-year transfers were higher in 1976 (3.70), fell to 3.57 in 1978, and returned to 3.70 in 1979. Since 1980, all four-year transfer groups have had a pre-transfer GPA of 3.66 to 3.68. Mean first term GPA's have remained constant at about 3.60 for the last decade. Retention ratios one year after transfer vary only slightly from a .56 in 1976 to .64 in 1973, with a .57 in 1983. The retention ratio two years after transfer has remained fairly stable since 1973 (.39 to .44) with a 1983 retention ratio of .41. The graduation rate two years after transfer declined from 16 percent in 1973 to a low of 8 percent in 1979 and 1980, but increased to 12 percent in 1982. In 1983, it decreased slightly to 11 percent.

TABLE 7

Trends in Four-Year College Transfer Student Performance

University of Illinois at Chicago

1973, 1976, 1978, 1979, 1980, 1981, 1982, and 1983 Transfers

Variable (1)	1973 (2)	1976 (3)	1978 (4)	1979 (5)	1980 (6)	1981 (7)	1982 (8)	1983 (9)
Number of Transfers	1249	892	680	809	838	1289	1307	1028
Pre-Transfer GPA	3.59	3.70	3.57	3.70	3.66	3.67	3.68	3.67
1st Term Drop in Mean GPA	+0.06	-0.03	-0.10	-0.11	-0.05	-0.14	-0.13	- 0.11
Mean 1st (F) Term GPA	3.65	3.67	3.47	3.59	3.61	3.53	3.55	3.56
Mean 2nd (W) Term GPA	3.72	3.69	3.57	3.63	3.69	3.63	3.59	3.57
Mean 3rd (S) Term GPA	3.77	3.76	3.64	3.67	3.68	3.66	3.64	3.69
Mean 5th (F) Term GPA	3.76	NA	3.72	3.58	3.69	3.63	3.64	3.64
Mean 6th (W) Term GPA	3.82	NA	3.68	3.73	3.71	3.55	3.69	3.75
Mean 7th (S) Term GPA	3.92	NA	3.78	3.74	3.73	3.68	3.75	3.75
Retention Ratio One Year After Transfer	.64	.56	.58	.59	.57	.56	.57	0.57
Retention Ratio Two Years After Transfer	.44	NA	.41	.39	.40	.40	.42	0.41
Retention Ratio Three Years After Transfer	.39	NA	NA	NA	NA	NA	NA	NA
Graduation Ratio Two Years After Transfer	.16	NA	.10	.08	.08	.09	.12	0.11

III. SUMMARY, DISCUSSION, AND INTERPRETATION OF FINDINGS

Summary of Findings

1. The community college transfer group entered UIC with a pre-transfer GPA of 3.89, which is .22 higher than the pre-transfer GPA (3.67) of the four-year college transfer group, and .25 higher than the UIC native group (3.64).

2. Community college transfers achieved first term mean UIC grade point averages .49 below their pre-transfer GPA, while four-year transfers (.11) and the natives (.10) achieved an average GPA only slightly lower than their previous achievement. This decline is greater than in 1982 when the drop in GPA was .47 for community colleges.

3. UIC community college transfers did not exceed their mean pre-transfer grade point average during the eight terms included in this study, while the four-year college transfers and the native group achieved GPA's which exceeded their group's pre-transfer GPA (or lower division GPA) two terms.

4. Forty-five percent of the community college transfers and 41 percent of the four-year college transfers had graduated or were retained after eight terms, while the comparable figure for the native students was 79 percent.

5. Approximately 23 percent of the community college transfer group and 21 percent of the four-year transfer group left UIC for academic reasons. Comparable information was not available for the group of native students.

6. Sixteen percent of the community college transfers and 12 percent of the four-year college transfers were dropped and did not re-enter UIC. Comparable data were not available for the group of native students.

7. Approximately 16 percent of the community college transfers and 19 percent of the four-year college transfers left on clear status and did not re-enroll at UIC.

8. Approximately 7 percent of the community college transfers and 9 percent of the four-year transfers left on probation and did not re-enroll.

9. Community college transfers achieved a lower overall course average at UIC than did the four-year transfers or the native group for every term except summers. The performance of the four-year college transfer group more closely resembled that of the natives than that of the community college group in the various subject areas.

10. Community college transfers were consistenty below average group achievement in the subject areas of biological sciences, math, and physical science (except one summer) and above average group achievement in education, English and humanities, architecture and art, and engineering. Four-year college transfers were equal to or below average all eight terms in math and biological sciences and above average in English and humanities, social sciences, architecture and art, and education.

11. There was a correlation (.45) between the average first term drop in mean GPA and the final retention ratio for individual community colleges. Those institutions whose transfer students to UIC experienced the largest drop between pre-transfer GPA and first term UIC GPA also experienced the lowest retention ratios after eight terms.

12. Retention ratios one year after transfer for the community college group have ranged from .63 (1973) to .54 (1978), and was .61 in 1983. The comparable figures for four-year college transfers have varied from .64 in 1973 to .56 in 1981, and was .57 in 1983. Community college retention two years after transfer has ranged from .43 (1973) to .34 (1978) and was .45 in 1983. Four-year college retention two years after entry has varied from .44 (1973) to .39 (1979) and was .41 in 1983. These figures represent an increase for the

community college group over the 1982 retention ratio (.41 to .45), and a slight decrease for the four-year group.

13. Graduation rates two years after transfer have declined by approximately one-half for community college, and four-year college transfers have dropped about one-fourth when comparing 1983 with 1973 groups. During this same period, the graduation rate for the control group of native sophomores and juniors averaged about 40 percent, with 39 percent reported for 1983.

Discussion and Interpretation of Findings

The findings presented in this study indicate that community college transfers did not achieve as well after transfer to UIC as they did before transfer, while four-year college transfers and continuing sophomores and juniors achieved GPA's similar to those they had achieved prior to selection for this study. This is not a new finding; previous studies at both UIC and UIUC, along with national studies, have supported this finding.

Retention, including graduation and continuing on clear or probation, was lower for community college transfers (.45) and for four-year college transfers (.41) than for continuing sophomores and juniors (.79). These data support the hypothesis that transfer students do not achieve as well after transfer to UIC as continuing sophomores and juniors who entered as beginning freshmen and completed one to three years at UIC.

These findings are supported by a study conducted at the University of Missouri-St. Louis, an urban institution similar to UIC.[34] The results of the study show that beginning freshmen have a higher retention rate than transfer students at UMSL.

The reasons for leaving the University are helpful in analysis of the success data for various groups. Approximately 23 percent of the community college transfers and 21 percent of the four-year transfers were dropped or left on probation during the two-year period of the study. These data further support the hypothesis that community college transfers as a group are less well prepared to achieve minimum standards and meet graduation requirements at UIC than continuing sophomores and juniors. However, the four-year college transfers achieve GPA's higher than natives, but do not remain and graduate in as high a proportion as the natives.

The findings and implications presented in this study need to be interpreted in the context of the environment in which the research was conducted and evaluated in relation to the differential purposes of the types of institutions represented by students in the study. One purpose of community colleges is to prepare baccalaureate-oriented students for successful transfer to four-year colleges and universities for completion of bachelor's degrees. Community colleges are "open door" institutions obligated by statute and practice to admit all students who are minimally qualified to complete one of their transfer programs. This means that community colleges enroll students in baccalaureate-oriented courses and programs who are high academic achievers as

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[34] A. Nancy Avakian, Arthur C. MacKinney, and Glenn R. Allen, "Race and Sex Differences in Student Retention at an Urban University," College and University, Vol. 57, No. 2. Athens, Ohio: American Association of Collegiate Registrars and Admissions Officers, 1982, pp. 160-165.

well as students with average and below average academic achievement, with lower probability of achieving success in a transfer program. It is from this population of applicants that community college transfer applicants are selected for admission to UIC in competition with transfers from four-year colleges and universities.

The major purposes of the undergraduate colleges at the University of Illinois are to provide the general education, technical and professional knowledge, and skills to qualify graduates for leadership roles in society at the bachelor's degree level and to prepare students for successful admission into and completion of graduate and professional programs. The University of Illinois at Chicago admits the "best qualified" beginning freshmen and transfers to each of its colleges and curricula for each admission period. Data show that the average beginning freshman student in 1985 graduated at slightly above the 74th percentile of his or her high school graduating class and had an ACT composite score of just over twenty.[35]

The community colleges of Illinois provide an opportunity for many students to enter UIC's undergraduate programs as transfer students who would not have been admitted under the more competitive beginning freshman requirements. The community colleges provide access and opportunity for many students to obtain admission and complete bachelor's degree programs which would not have been a choice directly open to them following high school graduation. More than 45 percent of the community college transfer students are successful at UIC as measured by retention eight terms after transfer. The "success rate" is about 4 percent less for transfers from four-year colleges

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[35] Ira W. Langston IV, "The University of Illinois at Chicago Freshman Class Profile, Fall, 1985." Champaign: University Office of School and College Relations, University of Illinois, Research Memorandum 86-3, March, 1986.

and approximately 34 percent more for native sophomores and juniors who have already successfully completed one to three years at UIC. The retention ratio for the 1983 community college transfer group did increase from 1982 and it is hoped that this trend will continue. Access is important, but access without successful achievement of graduation or another equivalent objective is less than either the students or the University should be willing to accept.

IV. POLICY CONSIDERATIONS

The findings of this study document the performance of community college transfers and four-year college transfers in 1983 compared to previous years as measured by pre-transfer GPA, UIC GPA's, retention, and graduation. In general, these data identify and document continuing problems regarding academic achievement and retention for community college and four-year college transfers which should be considered and evaluated in future policy considerations.

One problem which warrants further study and analysis as a basis for future policy consideration is that community college transfers continue to experience at least a .49 drop in grade point average when they transfer to UIC; the fall, 1983 group recovered slightly more than one-fifth (.11) of this drop at the end of the first year after transfer, and another one-fifth (.10) by the end of two years. The four-year college transfers experienced about one-fifth as much transfer shock (-.11), and they are nearly fully recovered and achieve only slightly below (-.02) their pre-transfer level at the end of one year. At the end of two years, the remaining four-year transfer students were achieving slightly above (.02) their pre-transfer GPA.

It is clear from this study and previous transfer studies at UIC that community college transfers have more problems with scholarship and achievement than four-year college transfers. Sixteen percent, or one of each six community college transfers, were dropped for academic reasons and never returned. In total, slightly less than one in four, twenty-three percent, community college transfers left the University and did not return because of academic difficulty during the two years after transfer. The comparable figure for four-year college transfers is 21 percent (or about one in five). The major policy question is whether or not the University should attempt to reduce the relatively high number of community college transfers who are dropped for poor academic performance after entering UIC with "good" community college records.

A growing problem is the decline in the two-year graduation rate for both community college and four-year transfers from about 14 to 16 percent in 1973 to about 8 to 11 percent in 1983, even while the graduation rate for natives has averaged about 40 percent. The trend for maintenance, or an increase as seen in 1983, in retention rates for community college transfers is somewhat encouraging and may ultimately result in an increase in graduation rates.

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APPENDIX A

Fall, 1983 Grade Point Average and Academic Status of Community College Transfers by Institution of Last Attendance
University of Illinois at Chicago
Fall, 1983 Group

Conf. Inst. Code [1]	No. Fall 1983 Trans. [2]	Mean Trans. GPA [4]	Mean 1st Term GPA [5]	Change in Mean GPA [6]	Academic Status[1] Grad. No. [8]	Grad. % [9]	Clear No. [10]	Clear % [11]	Pro. No. [12]	Pro. % [13]	Dropped No. [14]	Dropped % [15]	Withdrawn No. [16]	Withdrawn % [17]	Retention Ratio[2] [18]
01*	15	3.72	3.07	-0.65	0	0%	10	67%	4	27%	1	7%	0	0%	0.93
02	40	3.88	3.52	-0.36	0	0%	31	78%	4	10%	3	8%	2	5%	0.88
03	5	3.79	3.39	-0.40	0	0%	4	80%	1	20%	0	0%	0	0%	1.00
04	5	4.36	4.01	-0.35	0	0%	5	100%	0	0%	0	0%	0	0%	1.00
05	23	4.10	3.80	-0.30	0	0%	21	91%	1	4%	0	0%	1	4%	0.96
06	90	3.93	3.47	-0.46	0	0%	65	72%	11	12%	6	7%	8	9%	0.84
07	28	3.90	3.62	-0.28	0	0%	22	79%	2	7%	2	7%	2	7%	0.86
08	93	3.91	3.34	-0.57	0	0%	60	65%	20	22%	6	6%	7	8%	0.86
09	6	4.17	3.30	-0.87	0	0%	5	83%	0	0%	0	0%	1	17%	0.83
10	10	4.20	4.09	-0.11	0	0%	9	90%	0	0%	1	10%	0	0%	0.90
11	7	3.75	3.45	-0.30	0	0%	5	71%	2	29%	0	0%	0	0%	1.00
12	55	3.91	3.78	-0.13	0	0%	45	82%	4	7%	2	4%	4	7%	0.89
13	113	3.84	3.30	-0.54	0	0%	65	58%	33	29%	9	8%	6	5%	0.87
14	5	4.18	3.91	-0.27	0	0%	4	80%	1	20%	0	0%	0	0%	1.00
15	36	3.99	3.54	-0.45	0	0%	26	72%	5	14%	1	3%	4	11%	0.86
16	34	4.04	3.15	-0.89	0	0%	20	59%	10	29%	3	9%	1	3%	0.88
17	122	3.95	3.65	-0.30	0	0%	93	76%	16	13%	6	5%	7	6%	0.89
18	20	3.88	3.46	-0.42	0	0%	16	80%	2	10%	1	5%	1	5%	0.90
19	12	3.73	3.24	-0.49	0	0%	8	67%	3	25%	1	8%	0	0%	0.92
20	100	3.85	3.28	-0.57	0	0%	63	63%	28	28%	4	4%	5	5%	0.91
21	18	3.60	2.37	-1.23	0	0%	7	39%	3	17%	5	28%	3	17%	0.56
22	18	3.60	2.86	-0.74	0	0%	6	33%	8	44%	3	17%	1	6%	0.78
23	82	3.76	3.14	-0.62	0	0%	47	57%	20	24%	8	10%	7	9%	0.82
24	26	3.88	2.60	-1.28	0	0%	10	38%	9	35%	4	15%	3	12%	0.73
25	85	3.88	3.41	-0.47	0	0%	52	61%	26	31%	4	5%	3	4%	0.92
26	65	3.95	3.48	-0.47	1	2%	45	69%	9	14%	6	9%	4	6%	0.85
27	28	3.79	3.32	-0.47	0	0%	21	75%	4	14%	3	11%	0	0%	0.89
2-Yr. Trans.	1141	3.89	3.40	-0.49	1	**0%	765	67%	226	20%	79	7%	70	6%	0.87
4-Yr. Trans. Sophs. & Jrs.	1028	3.67	3.56	-0.11	7	1%	664	65%	187	18%	78	8%	92	9%	0.83
	1310	3.84	3.54	-0.10	1	**0%	1005	77%	245	19%	29	2%	30	2%	0.95

1-Percents based on number of transfer students enrolled in 1983 Fall term (Column 2).

2-Retention Ratio: The proportion of total Fall, 1983 transfers which has graduated or completed the 1st term on clear or probationary status.

*Community colleges with fewer than five transfers in the group. **Less than 1%.

APPENDIX B

Winter, 1984 Grade Point Average and Academic Status of Community College Transfers by Institution of Last Attendance
University of Illinois at Chicago
Fall, 1983 Group

Conf. Inst. Code [1]	No. Fall 1983 Trans. [2]	No. Re-enrolled Winter 1984 [3]	Mean Trans. GPA [4]	Mean 2nd Term GPA [5]	Change in Mean GPA [6]	Incr. in Mean GPA Over 1st [7]	Academic Status[1] Grad. No. [8]	Grad. % [9]	Clear No. [10]	Clear % [11]	Pro. No. [12]	Pro. % [13]	Dropped No. [14]	Dropped % [15]	Withdrawn No. [16]	Withdrawn % [17]	Retention Ratio[2] [18]
01*	15	15	3.72	2.66	-1.06	-0.41	0	0%	5	33%	5	33%	4	27%	1	7%	0.67
02	40	33	3.86	3.43	-0.43	-0.09	0	0%	20	61%	12	36%	1	3%	0	0%	0.80
03	5	5	3.78	2.60	-1.18	-0.79	0	0%	2	40%	3	60%	0	0%	0	0%	1.00
04	5	5	4.36	4.25	-0.11	0.24	0	0%	5	100%	0	0%	0	0%	0	0%	1.00
05	23	20	4.17	3.76	-0.41	-0.04	0	0%	15	75%	4	20%	0	0%	1	5%	0.83
06	90	73	3.96	3.56	-0.40	0.09	0	0%	51	70%	11	15%	6	8%	5	7%	0.89
07	28	24	3.90	3.68	-0.22	0.08	0	0%	18	75%	4	17%	0	0%	2	8%	0.79
08	93	76	3.95	3.45	-0.50	0.11	0	0%	48	63%	20	26%	6	8%	2	3%	0.73
09	6	4	3.95	3.36	-0.59	0.06	0	0%	3	75%	1	25%	0	0%	0	0%	0.67
10	10	7	4.36	4.01	-0.35	-0.08	0	0%	6	86%	0	0%	0	0%	1	14%	0.80
11	7	6	3.98	3.11	-0.87	-0.34	0	0%	4	67%	0	0%	1	17%	1	17%	0.57
12	55	45	3.89	3.80	-0.09	0.02	0	0%	38	84%	7	16%	0	0%	0	0%	0.82
13	113	87	3.83	3.44	-0.39	0.14	0	0%	49	56%	25	29%	7	8%	6	7%	0.85
14	5	5	4.18	3.55	-0.63	-0.38	0	0%	3	60%	2	40%	0	0%	0	0%	1.00
15	36	23	4.02	3.71	-0.31	0.17	0	0%	19	83%	3	13%	1	4%	0	0%	0.61
16	34	28	4.07	3.44	-0.63	0.29	0	0%	16	57%	10	36%	1	4%	1	4%	0.76
17	122	99	3.99	3.67	-0.32	0.02	0	0%	78	79%	9	9%	8	8%	4	4%	0.71
18	20	16	3.85	3.63	-0.22	0.17	0	0%	12	75%	3	19%	0	0%	1	6%	0.75
19	12	10	3.83	3.45	-0.38	0.21	0	0%	6	60%	4	40%	0	0%	0	0%	0.83
20	100	84	3.89	3.38	-0.51	0.10	0	0%	55	65%	20	24%	7	8%	2	2%	0.75
21	18	10	3.73	3.61	-0.12	1.24	0	0%	7	70%	1	10%	1	10%	1	10%	0.44
22	18	14	3.66	2.68	-0.98	-0.18	0	0%	3	21%	3	21%	5	36%	3	21%	0.33
23	82	66	3.80	3.14	-0.66	0.00	0	0%	35	53%	19	29%	5	8%	7	11%	0.66
24	26	14	3.87	3.07	-0.80	0.47	0	0%	5	36%	8	57%	1	7%	0	0%	0.50
25	85	71	3.87	3.27	-0.60	-0.14	0	0%	46	65%	17	24%	7	10%	1	1%	0.74
26	65	51	3.98	3.29	-0.69	-0.19	0	0%	33	65%	14	27%	1	2%	3	6%	0.74
27	28	21	3.88	3.41	-0.47	0.09	0	0%	16	76%	3	14%	1	5%	1	5%	0.68
2-Yr. Trans.	1141	912	3.93	3.44	-0.49	0.04	0	0%	598	66%	208	23%	63	7%	43	5%	0.71
4-Yr. Trans.	1028	759	3.71	3.57	-0.14	0.01	5	1%	507	67%	160	21%	32	4%	55	7%	0.86
Sophs. & Jrs.	1310	1223	3.66	3.58	-0.08	0.04	4	**0%	953	78%	208	17%	24	2%	34	3%	0.89

1-Percents based on number of transfer students enrolled in 1984 Winter term (Col. 3).

2-Retention Ratio: The proportion of total Fall, 1983 transfers which has graduated or completed the 2nd term on clear or probationary status.

*Community colleges with fewer than five transfers in the group. **Less than 1%.

APPENDIX C

Spring, 1984 Grade Point Average and Academic Status of Community College Transfers by Institution of Last Attendance
University of Illinois at Chicago
Fall, 1983 Group

Conf. Inst. Code [1]	No. Fall 1983 Trans. [2]	No. Re-enrolled Spring 1984 [3]	Mean Trans. GPA [4]	Mean 3rd Term GPA [5]	Change in Mean GPA [6]	Incr. in Mean GPA Over 2nd [7]	Academic Status[1] Grad. No. [8]	Grad. % [9]	Clear No. [10]	Clear % [11]	Pro. No. [12]	Pro. % [13]	Dropped No. [14]	Dropped % [15]	Withdrawn No. [16]	Withdrawn % [17]	Retention Ratio[2] [18]
01*	15	9	3.74	3.49	-0.25	0.83	0	0%	6	67%	1	11%	2	22%	0	0%	0.47
02	40	28	3.91	3.34	-0.57	-0.09	0	0%	18	64%	5	18%	2	7%	3	11%	0.58
03	5	4	3.85	2.92	-0.93	0.32	0	0%	2	50%	0	0%	2	50%	0	0%	0.40
04	5	5	4.36	3.52	-0.84	-0.73	0	0%	4	80%	1	20%	0	0%	0	0%	1.00
05	23	19	4.21	4.15	-0.06	0.39	0	0%	17	89%	1	5%	0	0%	1	5%	0.78
06	90	57	4.04	3.61	-0.43	0.05	0	0%	46	81%	5	9%	4	7%	2	4%	0.57
07	28	19	3.93	3.49	-0.44	-0.19	0	0%	13	68%	4	21%	2	11%	0	0%	0.61
08	93	67	3.93	3.50	-0.43	0.05	0	0%	51	76%	10	15%	5	7%	1	1%	0.66
09	6	4	3.95	3.90	-0.05	0.54	0	0%	4	100%	0	0%	0	0%	0	0%	0.67
10	10	6	4.39	4.20	-0.19	0.19	0	0%	6	100%	0	0%	0	0%	0	0%	0.60
11	7	6	3.98	3.52	-0.46	0.41	1	17%	4	67%	0	0%	0	0%	1	17%	0.71
12	55	43	3.94	4.10	0.16	0.30	0	0%	40	93%	2	5%	0	0%	1	2%	0.76
13	113	77	3.84	3.47	-0.37	0.03	0	0%	51	66%	18	23%	6	8%	2	3%	0.61
14	5	4	4.26	3.91	-0.35	0.36	0	0%	4	100%	0	0%	0	0%	0	0%	0.80
15	36	21	4.08	3.74	-0.34	0.03	0	0%	16	76%	4	19%	0	0%	1	5%	0.56
16	34	25	4.09	3.45	-0.64	0.01	0	0%	14	56%	8	32%	0	0%	3	12%	0.65
17	122	83	4.04	3.76	-0.28	0.09	0	0%	68	82%	12	14%	2	2%	1	1%	0.66
18	20	15	3.99	3.60	-0.39	-0.03	0	0%	11	73%	2	13%	1	7%	1	7%	0.65
19	12	9	3.81	3.66	-0.15	0.21	0	0%	6	67%	2	22%	0	0%	1	11%	0.67
20	100	72	3.90	3.40	-0.50	0.02	0	0%	49	68%	16	22%	6	8%	1	1%	0.65
21	18	8	3.69	2.81	-0.88	-0.80	0	0%	4	50%	2	25%	2	25%	0	0%	0.33
22	18	8	3.84	3.36	-0.48	0.68	0	0%	3	38%	2	25%	3	38%	0	0%	0.28
23	82	50	3.82	3.15	-0.67	0.01	0	0%	30	60%	16	32%	2	4%	2	4%	0.56
24	26	13	3.86	3.06	-0.80	-0.01	0	0%	6	46%	4	31%	2	15%	1	8%	0.38
25	85	61	3.85	3.54	-0.31	0.27	0	0%	39	64%	13	21%	6	10%	3	5%	0.61
26	65	45	4.03	3.80	-0.23	0.51	0	0%	36	80%	5	11%	3	7%	1	2%	0.63
27	28	20	3.86	3.46	-0.40	0.05	0	0%	11	55%	6	30%	1	5%	2	10%	0.61
2-Yr. Trans.	1141	778	3.95	3.57	-0.38	0.13	1	**0%	559	72%	139	18%	51	7%	28	4%	0.61
4-Yr. Trans.	1028	646	3.71	3.69	-0.02	0.12	13	2%	467	72%	97	15%	31	5%	38	6%	0.57
Sophs. & Jrs.	1310	1171	3.68	3.65	-0.03	0.07	43	4%	898	77%	195	17%	11	1%	24	2%	0.87

1-Percents based on number of transfer students enrolled in 1984 Spring term (Col. 3).

2-Retention Ratio: The proportion of total Fall, 1983 transfers which has graduated or completed the 3rd term on clear or probationary status.

*Community colleges with fewer than five transfers in the group.

**Less than 1%.

APPENDIX D

Fall, 1984 Grade Point Average and Academic Status of Community College Transfers by Institution of Last Attendance
University of Illinois at Chicago
Fall, 1983 Group

Conf. Inst. Code [1]	No. Fall 1983 Trans. [2]	No. Re-enrolled Fall 1984 [3]	Mean Trans. GPA [4]	Mean 5th Term GPA [5]	Change in Mean GPA [6]	Incr. in Mean GPA Over 3rd [7]	Academic Status[1] Grad. No. [8]	Grad. % [9]	Clear No. [10]	Clear % [11]	Pro. No. [12]	Pro. % [13]	Dropped No. [14]	Dropped % [15]	Withdrawn No. [16]	Withdrawn % [17]	Retention Ratio[2] [18]
01*	15	7	3.72	3.45	-0.27	-0.04	0	0%	4	57%	2	29%	0	0%	1	14%	0.40
02	40	20	4.01	3.56	-0.45	0.22	0	0%	15	75%	5	25%	0	0%	0	0%	0.50
03	5	2	4.15	4.19	0.04	1.27	0	0%	2	100%	0	0%	0	0%	0	0%	0.40
04	5	5	4.36	3.65	-0.71	0.13	0	0%	3	60%	2	40%	0	0%	0	0%	1.00
05	23	14	4.30	3.80	-0.50	-0.35	0	0%	10	71%	4	29%	0	0%	0	0%	0.61
06	90	45	4.08	3.75	-0.31	0.14	0	0%	36	80%	6	13%	2	4%	1	2%	0.47
07	28	15	3.89	3.45	-0.44	-0.04	0	0%	12	80%	2	13%	1	7%	0	0%	0.50
08	93	55	3.96	3.52	-0.44	0.02	0	0%	38	69%	12	22%	4	7%	1	2%	0.54
09	6	4	3.95	3.11	-0.84	-0.79	0	0%	2	50%	2	50%	0	0%	0	0%	0.67
10	10	6	4.39	4.11	-0.28	-0.09	0	0%	6	100%	0	0%	0	0%	0	0%	0.60
11	7	1	3.15	3.00	-0.15	-0.52	0	0%	1	100%	0	0%	0	0%	0	0%	0.29
12	55	37	3.87	3.64	-0.23	-0.46	0	0%	29	78%	6	16%	0	0%	2	5%	0.64
13	113	61	3.88	3.61	-0.27	0.14	0	0%	48	79%	7	11%	1	2%	5	8%	0.49
14	5	5	4.18	2.77	-1.41	-1.14	0	0%	2	40%	3	60%	0	0%	0	0%	1.00
15	36	18	4.04	3.81	-0.23	0.07	0	0%	18	100%	0	0%	0	0%	0	0%	0.50
16	34	19	4.12	3.35	-0.77	-0.10	0	0%	12	63%	4	21%	3	16%	0	0%	0.47
17	122	74	4.04	3.74	-0.30	-0.02	0	0%	60	81%	13	18%	0	0%	1	1%	0.60
18	20	11	4.01	3.96	-0.05	0.36	0	0%	10	91%	1	9%	0	0%	0	0%	0.55
19	12	7	3.58	3.25	-0.33	-0.41	0	0%	5	71%	2	29%	0	0%	0	0%	0.58
20	100	59	3.91	3.59	-0.32	0.19	0	0%	47	80%	10	17%	1	2%	1	2%	0.57
21	18	7	3.76	2.82	-0.94	0.01	0	0%	4	57%	2	29%	1	14%	0	0%	0.33
22	18	5	4.00	3.36	-0.64	0.00	0	0%	3	60%	1	20%	0	0%	1	20%	0.22
23	82	42	3.86	3.21	-0.65	0.06	0	0%	27	64%	11	26%	2	5%	2	5%	0.46
24	26	8	4.09	3.78	-0.31	0.72	0	0%	7	88%	1	13%	0	0%	0	0%	0.31
25	85	45	3.87	3.36	-0.51	-0.18	0	0%	29	64%	13	29%	3	7%	0	0%	0.49
26	65	36	4.07	3.73	-0.34	-0.07	0	0%	31	86%	4	11%	1	3%	0	0%	0.55
27	28	15	3.92	3.40	-0.52	-0.06	0	0%	10	67%	4	27%	0	0%	1	7%	0.50
2-Yr. Trans.	1141	623	3.97	3.58	-0.39	0.01	0	0%	471	76%	117	19%	19	3%	16	3%	0.52
4-Yr. Trans.	1028	494	3.70	3.64	-0.06	-0.05	8	2%	354	72%	79	16%	24	5%	29	6%	0.48
Sophs. & Jrs.	1310	1031	3.66	3.65	-0.01	0.00	59	6%	764	74%	161	16%	28	3%	19	2%	0.81

1-Percents based on number of transfer students enrolled in 1984 Fall term [Col. 3].

2-Retention Ratio: The proportion of total Fall, 1983 transfers which has graduated or completed the 5th term on clear or probationary status.

*Community colleges with fewer than five transfers in the group. **Less than 1%.

APPENDIX E

Winter 1985, Grade Point Average and Academic Status of Community College Transfers by Institution of Last Attendance
University of Illinois at Chicago
Fall, 1983 Group

Conf. Inst. Code (1)	No. Fall 1983 Trans. (2)	No. Re-enrolled Winter 1985 (3)	Mean Trans. GPA (4)	Mean 6th Term GPA (5)	Change in Mean GPA (6)	Incr. in Mean GPA Over 5th (7)	Academic Status[1] Grad. No. (8)	Grad. % (9)	Clear No. (10)	Clear % (11)	Pro. No. (12)	Pro. % (13)	Dropped No. (14)	Dropped % (15)	Withdrawn No. (16)	Withdrawn % (17)	Retention Ratio[2] (18)
01*	15	6	3.86	3.67	0.01	0.22	0	0%	4	67%	1	17%	0	0%	1	17%	0.33
02	40	18	3.98	3.50	-0.48	-0.06	0	0%	14	78%	3	17%	0	0%	1	6%	0.43
03	5	2	4.15	4.13	-0.02	-0.06	0	0%	2	100%	0	0%	0	0%	0	0%	0.40
04	5	5	4.36	3.54	-0.82	-0.11	0	0%	4	80%	1	20%	0	0%	0	0%	1.00
05	23	14	4.30	4.13	-0.17	0.33	0	0%	13	93%	1	7%	0	0%	0	0%	0.61
06	90	40	4.10	3.83	-0.27	0.08	0	0%	36	90%	2	5%	1	3%	1	3%	0.42
07	28	12	3.98	3.98	0.00	0.53	1	8%	11	92%	0	0%	0	0%	0	0%	0.43
08	93	50	3.97	3.70	-0.27	0.18	1	2%	42	84%	5	10%	1	2%	1	2%	0.52
09	6	4	3.95	3.34	-0.61	0.23	0	0%	3	75%	1	25%	0	0%	0	0%	0.67
10	10	6	4.39	3.64	-0.75	-0.47	0	0%	5	83%	1	17%	0	0%	0	0%	0.60
11	7	1	3.15	3.94	0.79	0.94	0	0%	1	100%	0	0%	0	0%	0	0%	0.29
12	55	34	3.87	3.89	0.02	0.25	0	0%	30	88%	4	12%	0	0%	0	0%	0.82
13	113	56	3.86	3.42	-0.44	-0.19	0	0%	38	68%	14	25%	2	4%	2	4%	0.46
14	5	5	4.18	3.49	-0.69	0.72	0	0%	5	100%	0	0%	0	0%	0	0%	1.00
15	36	17	4.05	3.83	-0.22	0.02	1	6%	14	82%	2	12%	0	0%	0	0%	0.47
16	34	18	4.20	3.84	-0.36	0.49	0	0%	12	75%	4	25%	0	0%	0	0%	0.47
17	122	70	4.04	3.79	-0.25	0.05	2	3%	59	84%	8	11%	0	0%	1	1%	0.57
18	20	9	4.14	3.77	-0.37	-0.19	1	11%	7	78%	1	11%	0	0%	0	0%	0.45
19	12	7	3.58	3.37	-0.21	0.12	0	0%	6	86%	1	14%	0	0%	0	0%	0.58
20	100	56	3.92	3.57	-0.35	-0.02	0	0%	40	71%	13	23%	1	2%	2	4%	0.53
21	18	6	3.86	3.28	-0.58	0.46	0	0%	5	83%	1	17%	0	0%	0	0%	0.33
22	18	4	4.15	3.31	-0.84	-0.05	1	25%	2	50%	0	0%	1	25%	0	0%	0.17
23	82	36	3.99	3.19	-0.80	-0.02	1	3%	24	67%	10	28%	0	0%	1	3%	0.43
24	26	8	4.13	3.33	-0.80	-0.45	0	0%	7	88%	1	13%	0	0%	0	0%	0.31
25	85	41	3.89	3.71	-0.18	0.35	0	0%	34	83%	5	12%	1	2%	1	2%	0.46
26	65	34	4.10	3.64	-0.46	-0.09	1	3%	29	85%	3	9%	1	3%	0	0%	0.52
27	28	14	3.94	3.43	-0.51	0.03	0	0%	10	71%	3	21%	1	7%	0	0%	0.46
2-Yr. Trans.	1141	571	4.00	3.65	-0.35	0.07	9	2%	457	80%	85	15%	9	2%	11	2%	0.48
4-Yr. Trans.	1028	412	3.74	3.75	0.01	0.11	20	5%	314	76%	50	12%	10	2%	18	4%	0.41
Sophs. & Jrs.	1310	922	3.67	3.69	0.02	0.04	75	8%	671	73%	140	15%	18	2%	18	2%	0.78

1-Percents based on number of transfer students enrolled in 1985 Winter term (Col. 3).

2-Retention Ratio: The proportion of total Fall, 1983 transfers which has graduated or completed the 6th term on clear or probationary status.

*Community colleges with fewer than five transfers in the group. **Less than 1%.

APPENDIX F

Spring, 1985 Grade Point Average and Academic Status of Community College Transfers by Institution of Last Attendance
University of Illinois at Chicago
Fall, 1983 Group

Conf. Inst. Code (1)	No. Fall 1983 Trans. (2)	No. Re-enrolled Spring 1985 (3)	Mean Trans. GPA (4)	Mean 7th Term GPA (5)	Change in Mean GPA (6)	Incr. in Mean GPA Over 6th (7)	Academic Status[1] Grad. No. (8)	Grad. % (9)	Clear No. (10)	Clear % (11)	Pro. No. (12)	Pro. % (13)	Dropped No. (14)	Dropped % (15)	Withdrawn No. (16)	Withdrawn % (17)	Retention Ratio[2] (18)
01*	15	4	3.78	3.45	-0.33	-0.22	2	50%	1	25%	1	25%	0	0%	0	0%	0.27
02	40	15	3.98	3.91	-0.07	0.41	2	13%	10	67%	3	20%	0	0%	0	0%	0.38
03	5	2	4.15	3.70	-0.45	-0.43	0	0%	2	100%	0	0%	0	0%	0	0%	0.40
04	5	5	4.36	4.20	-0.16	0.66	0	0%	5	100%	0	0%	0	0%	0	0%	1.00
05	23	12	4.33	4.30	-0.03	0.17	0	0%	11	92%	1	8%	0	0%	0	0%	0.52
06	90	37	4.07	3.74	-0.33	-0.09	5	14%	28	76%	4	11%	0	0%	0	0%	0.41
07	28	11	3.89	4.04	0.15	0.08	3	27%	8	73%	0	0%	0	0%	0	0%	0.43
08	93	47	3.99	3.63	-0.36	-0.07	6	13%	31	66%	8	17%	1	2%	1	2%	0.49
09	6	4	3.95	3.32	-0.63	-0.02	0	0%	3	75%	1	25%	0	0%	0	0%	0.67
10	10	6	4.39	4.21	-0.18	0.57	1	17%	5	83%	0	0%	0	0%	0	0%	0.60
11	7	1	3.15	3.87	0.72	-0.07	1	100%	0	0%	0	0%	0	0%	0	0%	0.29
12	55	33	3.86	3.83	-0.03	-0.06	2	6%	27	82%	3	9%	1	3%	0	0%	0.58
13	113	52	3.90	3.49	-0.41	0.07	5	10%	33	63%	12	23%	1	2%	1	2%	0.44
14	5	4	4.21	3.60	-0.61	0.11	0	0%	4	100%	0	0%	0	0%	0	0%	0.80
15	36	16	4.07	3.76	-0.31	-0.07	5	31%	10	63%	0	0%	1	6%	0	0%	0.44
16	34	16	4.17	3.77	-0.40	-0.07	4	25%	9	56%	0	0%	1	6%	2	13%	0.38
17	122	67	4.03	3.77	-0.26	-0.02	14	21%	46	69%	4	6%	1	1%	2	3%	0.54
18	20	6	4.18	3.87	-0.31	0.10	0	0%	5	83%	1	17%	0	0%	0	0%	0.35
19	12	6	3.49	3.91	0.42	0.54	0	0%	6	100%	0	0%	0	0%	0	0%	0.50
20	100	52	3.90	3.75	-0.15	0.18	4	8%	40	77%	5	10%	2	4%	1	2%	0.49
21	18	5	3.80	3.08	-0.72	-0.20	0	0%	3	60%	2	40%	0	0%	0	0%	0.28
22	18	2	3.77	3.16	-0.61	-0.15	0	0%	1	50%	1	50%	0	0%	0	0%	0.17
23	82	31	3.90	3.31	-0.59	0.12	3	10%	19	61%*	8	26%	1	3%	0	0%	0.38
24	26	8	4.13	3.21	-0.92	-0.12	1	13%	5	63%	1	13%	0	0%	1	13%	0.27
25	85	39	3.91	3.72	-0.19	0.01	5	13%	27	69%	4	10%	3	8%	0	0%	0.42
26	65	31	4.11	3.65	-0.46	0.01	2	6%	23	74%	4	13%	1	3%	1	3%	0.48
27	28	13	3.97	3.80	-0.37	0.17	2	15%	7	54%	4	31%	0	0%	0	0%	0.46
2-Yr. Trans.	1141	525	3.98	3.70	-0.28	0.05	67	13%	369	70%	67	13%	13	2%	9	2%	0.45
4-Yr. Trans.	1028	390	3.73	3.75	0.02	0.00	49	13%	262	67%	50	13%	8	2%	21	5%	0.41
Sophs. & Jrs.	1310	829	3.68	3.76	0.08	0.07	271	33%	433	52%	90	11%	13	2%	22	3%	0.76

1-Percents based on number of transfer students enrolled in 1985 Spring term (Col. 3).

2-Retention Ratio: The proportion of total Fall, 1983 transfers which has graduated or completed the 7th term on clear or probationary status.

*Community colleges with fewer than five transfers in the group. **Less than 1%.

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